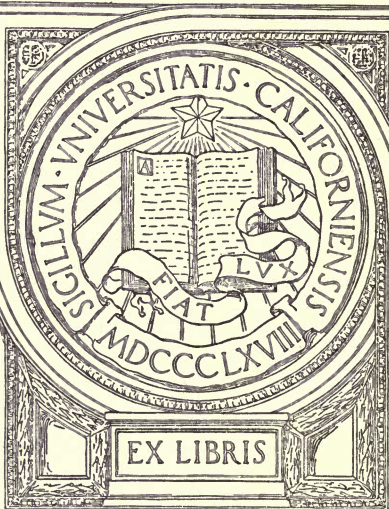


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1840

A MANUAL,
CONTAINING
TABLES
TO BE USED BY THE
REVENUE OFFICERS OF THE UNITED STATES,
WITH
GLASS HYDROMETERS,
INDICATING THE PER CENTS BY VOLUME OF
ALCOHOL IN SPIRITUOUS LIQUORS,
FOR
DETERMINING THEIR RELATIVE VALUES, &c.

CALCULATED BY
Prof. R. S. McCULLOH,
MESSRS. WOODS BAKER AND J. B. REYNOLDS, ASSISTANTS;

UNDER THE SUPERINTENDENCE OF
Prof. A. D. BACHE.

PRINTED BY AUTHORITY OF THE
TREASURY DEPARTMENT OF THE UNITED STATES.

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1849.

In mem.

Geo. Davidson

The following tables have been computed from data observed with the greatest skill and care; and the calculations were, in every instance, verified by causing them to be made at the same time independently by two persons. It is therefore, believed that they are free from errors.

The work was undertaken by request of the Secretary of the Treasury, and has been executed by Fred H. McCall, under the general direction and control of Prof. A. D. Bache, Superintendent of Weights, Measures, and Balances.

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PREFACE.

THE following tables have been computed from data observed with the greatest skill and care; and the calculations were, in every instance, verified by causing them to be made at the same time independently by two persons. It is, therefore, believed that they are free from errors.

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Those who desire full information with reference either to the fundamental data upon which these tables are based, or to the methods employed in their calculation, may refer to Sen. Doc. No. 50, 1st Sess. 30th Cong. and to a supplementary report submitted with this manual to the Treasury Department.

EXPLANATION OF THE TABLES,
AND DIRECTIONS FOR THEIR USE.

TABLE I.

TRUE PER CENTS.

THIS table shows the *true per cent.* of alcohol by volume, or the number of gallons of pure alcohol in 100 gallons of spirit, for every indication of the hydrometer, and every degree of temperature from 20° to 100° of Fahrenheit's thermometer.

Provided, that the number of gallons, or the volumes, be measured at the standard temperature of 60° of Fahrenheit's thermometer.

Example.

Suppose a cask of spirits to have been gauged at the temperature of 60° Fahr., and

the liquor contained to have been found to be precisely 90 gallons at that temperature. Also, suppose a portion of the spirit, when tested with the hydrometer, at the temperature of 51° Fahr., to have given an indication of 48; then we find by the table 49.99 exactly, or 50 nearly, to be the corresponding true per cent. of alcohol; hence 44.99, or 45 gallons nearly, will be the quantity of alcohol upon which the value of the spirit depends and duty is to be levied.

Remark. As the operations of gauging are not to be depended upon for the measurement of quantities so small as hundredths of the gallon, the officers of the revenue should, in every instance, carry their calculations only to tenths of the gallon. Thus any quantity greater than 44.85, and less than 44.95, should be estimated at 44.90 only; and any quantity between 44.95 and 45.05 at 45.00.

TABLE II.

VOLUMES.

WHAT we have said above has been on the supposition that the gauging of spirits has been performed at the temperature of 60° Fahr.;—a condition which in practice cannot be realized, except in a very few accidental instances.

That an increase of heat causes liquids to expand in volume, and a decrease produces contraction, is a familiar truth. Hence the gauged quantity of the same liquor in a cask varies with its temperature, and it is necessary to refer all measurements to some assumed standard temperature, such as 60° Fahrenheit; or, in other words, to reduce the quantities measured at other degrees of temperature to what they would have been if measured at a given temperature. Table II. has been constructed for this purpose; it shows at once the *volume* which

1000 gallons of spirit, measured at any temperature from 20° to 100° Fahr., would become if brought to the temperature of 60° Fahr., the true per cent. or strength being known.

Example.

Suppose that a cask of rum is found by gauging to contain 100 gallons, the temperature of the liquor being 29° Fahr., and the observed indication of the hydrometer 60 per cent. Then, by Table I., we see that the *true per cent.* of this liquor is 60.60 ; and by Table II., that the 100 gallons at 29° Fahr. would expand to 101.44 gallons at 60° Fahr. Hence 101.44 multiplied by 60.6 per cent. gives 61.47 gallons (or practically 61.5) as the quantity of pure alcohol in the cask.

These calculations are simple, but to render their performance by the revenue officers unnecessary, as well as to prevent errors, they have been made and embodied in the following table of *Commercial Values*; which alone is to be used in levying duties.

TABLE III.

COMMERCIAL VALUES.

THIS table is a combination of Tables I. and II. It gives at once, for any gauged quantity, particular temperature and corresponding indication of the hydrometer, the proportion, or per cent., of that quantity, which is pure alcohol. As the commercial values of liquors are proportional to their quantities and strengths, or to the total amount of alcohol they contain, this table is consequently one by which spirits may be bought and sold, and duties justly levied.

In the use of this table, it should be particularly observed that both the gauging and the proving must be performed at one and the same temperature.

Example 1.

Suppose a cask to contain 100 gallons of whiskey gauged at 70° Fahr., and for which the corresponding indication is 10 upon the stem of the hydrometer. Then we see, at once, by Table III., that 9.06, or *practically* 9.1 gallons, is the quantity of alcohol in the 100 gallons of whiskey, which fixes its value.

Example 2.

Suppose 120 gallons to be the gauged quantity of spirit in a cask; 67° Fahr. the temperature of the liquor; and 59 the indication of the hydrometer. Then 57.5 per cent. of the 120 gallons, or 69 gallons, is the quantity of pure alcohol in the cask.

The above is all that is necessary to permit any one to comprehend the nature and general mode of using these tables. Simple examples have been purposely selected to render this explanation as clear as possible. In practice, however, it will happen constantly that more

complicated cases will arise; the observed temperatures and indications will be intermediate to whole degrees. In such instances, to arrive at the exact result, calculations become necessary. The following are examples of all possible particular cases.

Example A.

The observed temperature being a whole number, but the indication fractional. Let 29° Fahr. be the temperature, and $60\frac{1}{2}$ the indication. Then we find, opposite the indication 60, in Table III., the value 67.61, and for the indication 61 the corresponding value 68.57; between which values 0.96 is the difference; one third of which difference, or 0.32, must therefore be added to 67.61; making 67.93, for the true value of the liquor.

Example B.

The temperature being fractional, but the indication integral. Let $29\frac{1}{2}^{\circ}$ Fahr. be the temperature, and 58 the indication. Then 65.72 is the value for 29° Fahr., and 65.44

that for 30° ; the difference being 0.28, we have, by proportion, 0.14 for the number to be subtracted from 65.72 to obtain 65.58, the exact value.

Example C.

Both the temperature and the indication being fractional. Let $68\frac{1}{4}$ be the observed indication, and $28\frac{1}{2}^{\circ}$ Fahr. the temperature. Then, for the indication 68, we find, for the temperatures 28° and 29° , the respective values 75.64 and 75.38; which give, by proportion, 75.51 for $28\frac{1}{2}^{\circ}$. Similarly, for the indication 69, we obtain, for the temperature $28\frac{1}{2}^{\circ}$, the value 76.43. These two results give, by proportion, 75.74 for the value corresponding to $68\frac{1}{4}$, the observed indication.

To avoid such calculations as those just given, and cause uniformity of practice in the collection of the revenue, it may be well to neglect fractions in observing temperatures and indications. Any temperature, for ex-

ample, greater than $49\frac{1}{2}^{\circ}$ and less than $50\frac{1}{2}^{\circ}$, should be assumed to be 50° ; and similarly, any indication greater than $44\frac{1}{2}$ and less than $45\frac{1}{2}$ would be considered the same as though 45 were the observed number.

B

TABLE I.

Showing the true per cent by volume of alcohol contained in spirituous liquors for any indication of the hydrometer, and any temperature between 20° and 100° of Fahrenheit's thermometer.

By the term true per cent by volume is signified the ratio of the volume of the contained alcohol at 60° Fahrenheit, to the volume of the liquor itself measured at the same temperature.

TABLE I.

Showing the true per cents by volume of alcohol contained in spirituous liquors for any indication of the hydrometer, and any temperature between 20° and 100° of Fahrenheit's thermometer.

By the term *true per cent. by volume*, is signified the ratio of the volume of the contained alcohol, at 60° Fahrenheit, to the volume of the liquor itself measured at the same temperature.

21°—25°

TRUE PER CENT.

Indica- tion.	21°	22°	23°	24°	25°
1	0.79	0.83	0.88	0.92	0.97
2	1.80	1.86	1.91	1.97	2.02
3	2.84	2.90	2.95	3.01	3.06
4	3.90	3.95	4.01	4.06	4.11
5	4.95	5.00	5.06	5.11	5.17
6	6.06	6.12	6.17	6.23	6.28
7	7.19	7.25	7.30	7.36	7.41
8	8.33	8.38	8.44	8.49	8.54
9	9.47	9.52	9.57	9.62	9.67
10	10.60	10.65	10.69	10.74	10.78
11	11.93	11.98	12.02	12.07	12.11
12	13.21	13.25	13.29	13.33	13.37
13	14.49	14.52	14.56	14.59	14.63
14	15.77	15.80	15.82	15.85	15.88
15	17.19	17.20	17.22	17.23	17.24
16	18.69	18.70	18.70	18.71	18.71
17	20.20	20.19	20.17	20.16	20.15
18	21.69	21.67	21.64	21.62	21.59
19	23.31	23.26	23.22	23.17	23.13
20	24.99	24.93	24.86	24.80	24.73
21	26.72	26.62	26.53	26.43	26.34
22	28.43	28.31	28.20	28.08	27.96
23	30.02	29.87	29.73	29.58	29.44
24	31.52	31.37	31.21	31.06	30.90
25	33.14	32.94	32.75	32.55	32.36

21°—25°

TRUE PER CENT.

Indica- tion.	21°	22°	23°	24°	25°
26	34·97	34·95	34·92	34·90	33·88
27	36·38	36·13	35·89	35·64	35·39
28	38·00	37·72	37·45	37·17	36·89
29	39·58	39·28	38·97	38·67	38·37
30	41·14	40·81	40·48	40·15	39·82
31	42·70	42·33	41·97	41·60	41·24
32	43·95	43·57	43·18	42·80	42·42
33	45·22	44·82	44·42	44·02	43·62
34	46·34	45·93	45·53	45·12	44·72
35	47·39	46·97	46·56	46·14	45·72
36	48·47	48·04	47·61	47·18	46·75
37	49·60	49·17	48·73	48·30	47·86
38	50·76	50·32	49·87	49·43	48·98
39	51·37	50·94	50·51	50·08	49·65
40	52·05	51·64	51·23	50·82	50·41
41	52·76	52·36	51·97	51·57	51·17
42	53·53	53·14	52·76	52·37	51·99
43	54·25	53·88	53·50	53·13	52·76
44	55·06	54·69	54·33	53·96	53·60
45	55·88	55·53	55·18	54·83	54·48
46	56·72	56·37	56·02	55·67	55·32
47	57·52	57·18	56·84	56·50	56·16
48	58·27	57·94	57·62	57·29	56·96
49	59·06	58·74	58·43	58·11	57·80
50	59·90	59·59	59·29	58·98	58·67

21°—25°

TRUE PER CENT.

Indica- tion.	21°	22°	23°	24°	25°
51	60.76	60.46	60.16	59.86	59.56
52	61.65	61.35	61.05	60.75	60.45
53	62.52	62.23	61.93	61.64	61.35
54	63.32	63.04	62.75	62.47	62.19
55	64.11	63.84	63.57	63.30	63.03
56	65.00	64.73	64.47	64.20	63.93
57	65.88	65.61	65.35	65.08	64.82
58	66.77	66.51	66.25	65.99	65.73
59	67.66	67.41	67.16	66.91	66.66
60	68.53	68.29	68.04	67.80	67.55
61	69.45	69.20	68.96	68.71	68.47
62	70.40	70.16	69.91	69.67	69.43
63	71.29	71.05	70.82	70.58	70.34
64	72.22	71.99	71.75	71.52	71.28
65	73.16	72.93	72.69	72.46	72.23
66	74.10	73.87	73.65	73.42	73.19
67	75.09	74.87	74.64	74.42	74.19
68	75.98	75.75	75.53	75.30	75.08
69	76.83	76.61	76.39	76.17	75.95
70	77.74	77.52	77.31	77.09	76.87
71	78.68	78.46	78.24	78.02	77.80
72	79.58	79.37	79.15	78.94	78.73
73	80.51	80.30	80.08	79.87	79.66
74	81.42	81.21	81.01	80.80	80.60
75	82.33	82.13	81.92	81.72	81.51

21°—25°

TRUE PER CENT.

Indica- tion.	21°	22°	23°	24°	25°
76	83.26	83.06	82.87	82.67	82.47
77	84.21	84.01	83.81	83.61	83.41
78	85.15	84.96	84.76	84.57	84.37
79	86.09	85.89	85.70	85.50	85.30
80	87.02	86.83	86.63	86.44	86.24
81	87.97	87.78	87.58	87.39	87.20
82	88.92	88.72	88.53	88.33	88.14
83	89.86	89.67	89.48	89.29	89.10
84	90.76	90.57	90.39	90.20	90.01
85	91.64	91.46	91.27	91.09	90.90
86	92.53	92.35	92.18	92.00	91.82
87	93.41	93.24	93.06	92.89	92.71
88	94.29	94.12	93.94	93.77	93.59
89	95.19	95.02	94.85	94.68	94.51
90	96.02	95.86	95.69	95.53	95.37
91	96.85	96.69	96.52	96.36	96.20
92	97.72	97.57	97.41	97.26	97.10
93	98.62	98.46	98.31	98.16	98.00
94	99.42	99.27	99.12	98.97	98.82
95	100.21	100.05	99.92	99.77	99.63
96	100.99	100.84	100.70	100.55	100.41
97	101.74	101.60	101.45	101.31	101.17
98	102.53	102.40	102.28	102.15	102.03
99	103.35	103.23	103.12	103.00	102.88
100	104.20	104.08	103.97	103.85	103.74

26°—30°

TRUE PER CENT.

Indica- tion.	26°	27°	28°	29°	30°
1	1.05	1.13	1.21	1.29	1.37
2	2.08	2.15	2.21	2.28	2.34
3	3.12	3.18	3.23	3.29	3.35
4	4.16	4.21	4.27	4.32	4.37
5	5.21	5.26	5.30	5.35	5.39
6	6.32	6.37	6.41	6.46	6.50
7	7.45	7.49	7.54	7.58	7.62
8	8.58	8.62	8.65	8.69	8.73
9	9.70	9.74	9.77	9.81	9.84
10	10.81	10.84	10.88	10.91	10.94
11	12.13	12.16	12.18	12.21	12.23
12	13.39	13.41	13.43	13.45	13.47
13	14.64	14.65	14.66	14.67	14.68
14	15.88	15.88	15.89	15.89	15.89
15	17.23	17.23	17.22	17.22	17.21
16	18.69	18.67	18.64	18.62	18.60
17	20.11	20.07	20.03	20.00	19.95
18	21.53	21.48	21.42	21.37	21.31
19	23.06	22.98	22.91	22.83	22.76
20	24.64	24.55	24.45	24.36	24.27
21	26.23	26.11	26.00	25.88	25.77
22	27.82	27.68	27.55	27.41	27.27
23	29.28	29.12	28.96	28.80	28.64
24	30.70	30.49	30.29	30.08	29.98
25	32.16	31.96	31.76	31.56	31.36

26°—30°

TRUE PER CENT.

Indica- tion.	26 °	27 °	28 °	29 °	30 °
26	33·65	33·42	33·20	32·97	32·74
27	35·14	34·89	34·65	34·40	34·15
28	36·62	36·34	36·07	35·79	35·52
29	38·07	37·77	37·47	37·17	36·87
30	39·50	39·17	38·85	38·52	38·20
31	40·89	40·54	40·20	39·85	39·50
32	42·06	41·69	41·33	40·96	40·60
33	43·25	42·88	42·50	42·13	41·76
34	44·34	43·96	43·59	43·21	42·83
35	45·34	44·95	44·57	44·18	43·80
36	46·37	45·98	45·60	45·21	44·83
37	47·46	47·07	46·67	46·28	45·88
38	48·57	48·16	47·75	47·34	46·93
39	49·26	48·88	48·49	48·11	47·72
40	50·03	49·65	49·27	48·89	48·51
41	50·80	50·44	50·07	49·71	49·34
42	51·63	51·28	50·92	50·57	50·21
43	52·42	52·08	51·73	51·39	51·05
44	53·27	52·94	52·61	52·28	51·95
45	54·15	53·82	53·49	53·16	52·83
46	55·00	54·68	54·35	54·03	53·71
47	55·85	55·54	55·22	54·91	54·60
48	56·66	56·36	56·05	55·75	55·45
49	57·50	57·21	56·91	56·62	56·32
50	58·38	58·09	57·80	57·51	57·22

26°—30°

TRUE PER CENT.

Indica- tion.	26°	27°	28°	29°	30°
51	59.28	59.00	58.71	58.43	58.15
52	60.17	59.90	59.62	59.35	59.07
53	61.07	60.80	60.52	60.25	59.97
54	61.92	61.66	61.39	61.13	60.86
55	62.77	62.52	62.26	62.01	61.75
56	63.67	63.41	63.15	62.89	62.63
57	64.57	64.32	64.06	63.81	63.56
58	65.49	65.24	65.00	64.75	64.51
59	66.42	66.17	65.93	65.68	65.44
60	67.31	67.07	66.84	66.60	66.36
61	68.24	68.00	67.77	67.53	67.30
62	69.20	68.96	68.73	68.49	68.26
63	70.11	69.88	69.65	69.42	69.19
64	71.05	70.83	70.60	70.38	70.15
65	72.01	71.79	71.56	71.34	71.12
66	72.97	72.75	72.54	72.32	72.10
67	73.97	73.75	73.52	73.30	73.08
68	74.86	74.64	74.42	74.20	73.98
69	75.74	75.53	75.31	75.10	74.89
70	76.66	76.45	76.24	76.03	75.82
71	77.59	77.38	77.18	76.97	76.76
72	78.52	78.32	78.11	77.91	77.70
73	79.46	79.25	79.05	78.84	78.64
74	80.39	80.19	79.98	79.78	79.57
75	81.32	81.12	80.93	80.73	80.54

26°—30°

TRUE PER CENT.

Indica- tion.	26°	27°	28°	29°	30°
76	82.27	82.08	81.88	81.69	81.49
77	83.22	83.03	82.83	82.64	82.45
78	84.18	83.98	83.79	83.59	83.40
79	85.11	84.92	84.72	84.53	84.34
80	86.05	85.86	85.68	85.49	85.30
81	87.01	86.82	86.63	86.44	86.25
82	87.95	87.76	87.58	87.39	87.20
83	88.91	88.72	88.54	88.35	88.16
84	89.83	89.65	89.46	89.28	89.10
85	90.72	90.54	90.37	90.19	90.01
86	91.64	91.47	91.29	91.12	90.94
87	92.54	92.37	92.19	92.02	91.85
88	93.42	93.25	93.08	92.91	92.74
89	94.34	94.17	94.00	93.83	93.66
90	95.20	95.04	94.87	94.71	94.54
91	96.04	95.88	95.72	95.56	95.40
92	96.94	96.79	96.63	96.48	96.32
93	97.85	97.69	97.54	97.38	97.23
94	98.67	98.53	98.38	98.24	98.09
95	99.49	99.35	99.20	99.06	98.92
96	100.27	100.13	99.98	99.84	99.70
97	101.04	100.91	100.79	100.66	100.53
98	101.91	101.79	101.66	101.54	101.42
99	102.76	102.65	102.53	102.42	102.30
100	103.63	103.52	103.40	103.29	103.18

31°—35°

TRUE PER CENT.

Indica- tion.	31 °	32 °	33 °	34 °	35 °
1	1.44	1.51	1.58	1.65	1.72
2	2.38	2.42	2.47	2.51	2.55
3	3.39	3.42	3.46	3.49	3.53
4	4.40	4.43	4.46	4.49	4.52
5	5.42	5.45	5.47	5.50	5.53
6	6.53	6.56	6.58	6.61	6.64
7	7.65	7.67	7.70	7.72	7.75
8	8.75	8.77	8.79	8.82	8.84
9	9.86	9.88	9.89	9.91	9.93
10	10.95	10.96	10.98	10.99	11.00
11	12.24	12.24	12.25	12.25	12.26
12	13.47	13.47	13.47	13.47	13.47
13	14.67	14.66	14.65	14.64	14.63
14	15.87	15.85	15.83	15.81	15.79
15	17.18	17.15	17.13	17.10	17.07
16	18.56	18.52	18.47	18.43	18.39
17	19.89	19.84	19.78	19.73	19.67
18	21.24	21.17	21.09	21.02	20.95
19	22.67	22.58	22.49	22.40	22.31
20	24.16	24.04	23.93	23.81	23.70
21	25.64	25.51	25.39	25.26	25.13
22	27.12	26.97	26.82	26.67	26.52
23	28.47	28.30	28.12	27.95	27.78
24	29.80	29.61	29.43	29.24	29.06
25	31.15	30.95	30.74	30.54	30.33

31° — 35°

TRUE PER CENT.

Indica- tion.	31°	32°	33°	34°	35°
26	32.51	32.28	32.06	31.83	31.60
27	33.90	33.65	33.40	33.15	32.90
28	35.26	35.00	34.73	34.47	34.21
29	36.58	36.29	36.01	35.72	35.43
30	37.89	37.58	37.27	36.96	36.65
31	39.17	38.85	38.52	38.20	37.87
32	40.27	39.94	39.61	39.28	38.95
33	41.41	41.06	40.72	40.37	40.02
34	42.47	42.11	41.76	41.40	41.04
35	43.45	44.10	42.74	42.39	42.04
36	44.48	44.12	43.77	43.41	43.06
37	45.51	45.14	44.77	44.40	44.03
38	46.57	46.21	45.86	45.50	45.14
39	47.36	47.00	46.64	46.28	45.92
40	48.17	47.83	47.48	47.14	46.80
41	49.01	48.67	48.34	48.00	47.67
42	49.88	49.56	49.23	48.91	48.58
43	50.74	50.42	50.11	49.79	49.48
44	51.64	51.32	51.01	50.69	50.38
45	52.52	52.21	51.90	51.59	51.28
46	53.41	53.11	52.80	52.50	52.20
47	54.31	54.02	53.72	53.43	53.14
48	55.17	54.88	54.60	54.31	54.03
49	56.04	55.77	55.49	55.22	54.94
50	56.95	56.68	56.41	56.14	55.87

31°—35°

TRUE PER CENT.

Indica- tion.	31°	32°	33°	34°	35°
51	57.88	57.61	57.33	57.06	56.79
52	58.80	58.53	58.26	57.99	57.72
53	59.71	59.45	59.20	58.94	58.68
54	60.60	60.35	60.09	59.84	59.58
55	61.50	61.25	60.99	60.74	60.49
56	62.39	62.14	61.90	61.65	61.41
57	63.32	63.08	62.85	62.61	62.37
58	64.27	64.04	63.80	63.57	63.33
59	65.21	64.97	64.74	64.50	64.27
60	66.13	65.90	65.67	65.44	65.21
61	67.07	66.84	66.62	66.39	66.16
62	68.03	67.81	67.58	67.36	67.13
63	68.97	68.75	68.53	68.31	68.09
64	69.93	69.71	69.50	69.28	69.06
65	70.90	70.68	70.47	70.25	70.03
66	71.88	71.66	71.44	71.23	71.01
67	72.86	72.65	72.43	72.22	72.00
68	73.77	73.55	73.34	73.12	72.91
69	74.68	74.47	74.26	74.05	73.84
70	75.61	75.40	75.19	74.98	74.77
71	76.56	76.35	76.15	75.94	75.74
72	77.50	77.30	77.09	76.89	76.69
73	78.44	78.24	78.05	77.85	77.65
74	79.38	79.18	78.99	78.79	78.60
75	80.34	80.15	79.95	79.76	79.56

31°—35°

TRUE PER CENT.

Indica- tion.	31°	32°	33°	34°	35°
76	81.30	81.10	80.91	80.71	80.52
77	82.26	82.06	81.87	81.67	81.48
78	83.21	83.02	82.83	82.64	82.45
79	84.15	83.96	83.78	83.59	83.40
80	85.11	84.92	84.74	84.55	84.36
81	86.07	85.88	85.70	85.51	85.33
82	87.01	86.83	86.64	86.46	86.27
83	87.98	87.80	87.61	87.43	87.25
84	88.92	88.74	88.55	88.37	88.19
85	89.83	89.65	89.48	89.30	89.12
86	90.77	90.60	90.42	90.25	90.08
87	91.68	91.50	91.33	91.15	90.98
88	92.57	92.41	92.24	92.08	91.91
89	93.50	93.33	93.17	93.00	92.84
90	94.38	94.22	94.05	93.89	93.73
91	95.25	95.10	94.94	94.79	94.64
92	96.17	96.01	95.86	95.70	95.55
93	97.08	96.94	96.79	96.65	96.50
94	97.95	97.81	97.66	97.52	97.38
95	98.78	98.64	98.51	98.37	98.23
96	99.56	99.43	99.29	99.16	99.02
97	100.41	100.29	100.16	100.04	99.92
98	101.30	101.18	101.06	100.94	100.82
99	102.18	102.07	101.95	101.84	101.72
100	103.07	102.96	102.85	102.74	102.63

36°—40°

TRUE PER CENT.

Indica- tion.	36°	37°	38°	39°	40°
1	1.75	1.77	1.80	1.82	1.85
2	2.56	2.57	2.59	2.60	2.61
3	3.54	3.55	3.56	3.57	3.58
4	4.53	4.55	4.56	4.58	4.59
5	5.54	5.55	5.56	5.57	5.58
6	6.65	6.66	6.66	6.67	6.68
7	7.75	7.76	7.76	7.77	7.77
8	8.84	8.84	8.84	8.84	8.84
9	9.93	9.92	9.92	9.91	9.91
10	11.00	11.00	10.99	10.99	10.99
11	12.25	12.24	12.24	12.23	12.22
12	13.45	13.42	13.40	13.37	13.35
13	14.60	14.57	14.55	14.52	14.49
14	15.76	15.72	15.69	15.65	15.62
15	17.02	16.98	16.93	16.89	16.84
16	18.33	18.27	18.21	18.15	18.09
17	19.60	19.52	19.45	19.37	19.30
18	20.86	20.77	20.67	20.58	20.49
19	22.20	22.09	21.99	21.88	21.77
20	23.58	23.46	23.33	23.21	23.09
21	24.98	24.83	24.69	24.54	24.39
22	26.35	26.19	26.02	25.86	25.69
23	27.60	27.42	27.23	27.05	26.87
24	28.86	28.66	28.46	28.26	28.06
25	30.11	29.90	29.68	29.47	29.25

36°—40°

TRUE PER CENT.

Indica- tion.	36 °	37 °	38 °	39 °	40 °
26	31.37	31.14	30.91	30.68	30.45
27	32.65	32.41	32.16	31.92	31.67
28	33.94	33.67	33.41	33.14	32.87
29	35.15	34.86	34.58	34.29	34.01
30	36.35	36.06	35.76	35.47	35.17
31	37.56	37.24	36.93	36.61	36.30
32	38.63	38.31	37.98	37.66	37.34
33	39.69	39.37	39.04	38.72	38.39
34	40.71	40.39	40.06	39.74	39.41
35	41.71	41.38	41.05	40.72	40.39
36	42.73	42.39	42.06	41.72	41.39
37	43.71	43.38	43.06	42.73	42.41
38	44.80	44.46	44.12	43.78	43.44
39	45.60	45.28	44.96	44.64	44.32
40	46.48	46.17	45.85	45.54	45.22
41	47.37	47.06	46.76	46.45	46.15
42	48.28	47.98	47.68	47.38	47.08
43	49.18	48.88	48.59	48.29	47.99
44	50.09	49.79	49.50	49.20	48.91
45	51.00	50.71	50.43	50.14	49.86
46	51.92	51.65	51.37	51.10	50.82
47	52.87	52.60	52.32	52.05	51.78
48	53.76	53.50	53.23	52.97	52.70
49	54.68	54.41	54.15	53.88	53.62
50	55.61	55.35	55.08	54.82	54.56

36°—40°

TRUE PER CENT.

Indica- tion.	36 °	37 °	38 °	39 °	40 °
51	56.54	56.28	56.03	55.77	55.52
52	57.47	57.22	56.98	56.73	56.48
53	58.43	58.18	57.93	57.68	57.43
54	59.34	59.10	58.85	58.61	58.37
55	60.25	60.01	59.77	59.53	59.29
56	61.18	60.95	60.72	60.49	60.26
57	62.14	61.91	61.68	61.45	61.22
58	63.10	62.87	62.64	62.41	62.18
59	64.05	63.82	63.60	63.37	63.15
60	64.99	64.77	64.54	64.32	64.10
61	65.94	65.72	65.50	65.28	65.06
62	66.91	66.69	66.48	66.26	66.04
63	67.87	67.66	67.44	67.23	67.01
64	68.85	68.63	68.42	68.20	67.99
65	69.82	69.61	69.40	69.19	68.98
66	70.80	70.59	70.37	70.16	69.95
67	71.79	71.58	71.36	71.15	70.94
68	72.70	72.50	72.29	72.09	71.88
69	73.64	73.43	73.23	73.02	72.82
70	74.57	74.37	74.17	73.97	73.77
71	75.54	75.34	75.14	74.94	74.74
72	76.49	76.29	76.09	75.89	75.69
73	77.46	77.26	77.07	76.87	76.68
74	78.41	78.22	78.03	77.84	77.65
75	79.37	79.18	79.00	78.81	78.62

36°—40°

TRUE PER CENT.

Indica- tion.	36 °	37 °	38 °	39 °	40 °
76	80.33	80.14	79.96	79.77	79.58
77	81.29	81.11	80.92	80.74	80.55
78	82.26	82.08	81.89	81.71	81.52
79	83.22	83.14	82.95	82.77	82.49
80	84.18	84.00	83.82	83.64	83.46
81	85.15	84.97	84.78	84.60	84.42
82	86.09	85.91	85.74	85.56	85.38
83	87.07	86.89	86.72	86.54	86.36
84	88.01	87.84	87.66	87.49	87.31
85	88.95	88.78	88.61	88.44	88.27
86	89.91	89.74	89.57	89.40	89.23
87	90.81	90.65	90.48	90.32	90.15
88	91.74	91.58	91.41	91.25	91.08
89	92.68	92.51	92.35	92.18	92.02
90	93.57	93.42	93.26	93.11	92.95
91	94.49	94.33	94.18	94.02	93.87
92	95.40	95.25	95.10	94.95	94.80
93	96.36	96.21	96.07	95.92	95.78
94	97.24	97.10	96.95	96.81	96.67
95	98.09	97.95	97.80	97.66	97.52
96	98.90	98.78	98.65	98.53	98.41
97	99.80	99.67	99.55	99.42	99.30
98	100.70	100.58	100.47	100.35	100.23
99	101.61	101.50	101.38	101.27	101.16
100	102.52	102.41	102.30	102.19	102.08

41°—45°

TRUE PER CENT.

Indica- tion.	41°	42°	43°	44°	45°
1	1.85	1.85	1.85	1.85	1.85
2	2.61	2.61	2.61	2.61	2.61
3	3.58	3.58	3.57	3.57	3.57
4	4.58	4.58	4.57	4.57	4.56
5	5.57	5.57	5.56	5.56	5.55
6	6.67	6.66	6.66	6.65	6.64
7	7.76	7.75	7.73	7.72	7.71
8	8.82	8.80	8.79	8.77	8.75
9	9.89	9.86	9.84	9.81	9.79
10	10.96	10.93	10.91	10.88	10.85
11	12.18	12.15	12.11	12.08	12.04
12	13.31	13.27	13.22	13.18	13.14
13	14.44	14.39	14.34	14.29	14.24
14	15.56	15.51	15.45	15.40	15.34
15	16.77	16.70	16.62	16.55	16.48
16	18.01	17.92	17.84	17.75	17.67
17	19.20	19.10	19.01	18.91	18.81
18	20.38	20.27	20.17	20.06	19.95
19	21.65	21.53	21.40	21.28	21.16
20	22.95	22.81	22.66	22.52	22.38
21	24.23	24.07	23.90	23.74	23.58
22	25.51	25.33	25.15	24.97	24.79
23	26.68	26.49	26.31	26.12	25.93
24	27.86	27.66	27.45	27.25	27.05
25	29.03	28.82	28.60	28.39	28.17

41°—45°

TRUE PER CENT.

Indica- tion.	41°	42°	43°	44°	45°
26	30.22	29.99	29.76	29.53	29.30
27	31.42	31.18	30.93	30.69	30.44
28	32.61	32.35	32.09	31.83	31.57
29	33.74	33.47	33.20	32.93	32.66
30	34.89	34.61	34.32	34.04	33.76
31	36.01	35.72	35.42	35.13	34.84
32	37.04	36.74	36.45	36.15	35.85
33	38.09	37.79	37.48	37.18	36.88
34	39.10	38.79	38.49	38.19	37.88
35	40.08	39.78	39.47	39.17	38.86
36	41.09	40.79	40.48	40.18	39.88
37	42.10	41.79	41.49	41.18	40.87
38	43.14	42.83	42.53	42.22	41.92
39	44.02	43.72	43.42	43.12	42.82
40	44.94	44.65	44.37	44.08	43.80
41	45.86	45.58	45.29	45.01	44.72
42	46.80	46.52	46.23	45.95	45.67
43	47.71	47.44	47.16	46.89	46.61
44	48.64	48.37	48.11	47.84	47.57
45	49.60	49.33	49.07	48.80	48.54
46	50.56	50.30	50.04	49.78	49.52
47	51.52	51.26	51.01	50.75	50.49
48	52.45	52.19	51.94	51.68	51.43
49	53.37	53.12	52.87	52.62	52.37
50	54.31	54.07	53.82	53.58	53.33

41°—45°

TRUE PER CENT.

Indica- tion.	41°	42°	43°	44°	45°
51	55.28	55.04	54.80	54.56	54.32
52	56.24	56.00	55.77	55.53	55.29
53	57.19	56.95	56.72	56.48	56.24
54	58.13	57.90	57.66	57.43	57.19
55	59.06	58.84	58.61	58.39	58.16
56	60.04	59.82	59.59	59.37	59.15
57	61.00	60.77	60.55	60.32	60.10
58	61.96	61.74	61.52	61.30	61.08
59	62.93	62.71	62.49	62.27	62.05
60	63.88	63.66	63.45	63.23	63.01
61	64.85	64.64	64.42	64.21	64.00
62	65.83	65.62	65.41	65.20	64.99
63	66.80	66.60	66.39	66.19	65.98
64	67.78	67.58	67.37	67.17	66.96
65	68.77	68.56	68.36	68.15	67.94
66	69.74	69.53	69.33	69.12	68.91
67	70.73	70.52	70.32	70.11	69.90
68	71.68	71.48	71.27	71.07	70.87
69	72.62	72.43	72.23	72.04	71.84
70	73.58	73.38	73.19	72.99	72.80
71	74.54	74.35	74.15	73.96	73.76
72	75.50	75.31	75.11	74.92	74.73
73	76.49	76.30	76.12	75.93	75.74
74	77.46	77.28	77.09	76.91	76.72
75	78.43	78.24	78.06	77.87	77.68

41°—45°

TRUE PER CENT.

Indica- tion.	41°	42°	43°	44°	45°
76	79.40	79.21	79.03	78.84	78.66
77	80.37	80.18	80.00	79.81	79.63
78	81.34	81.16	80.98	80.80	80.62
79	82.31	82.13	81.94	81.76	81.58
80	83.28	83.10	82.92	82.74	82.56
81	84.24	84.07	83.89	83.72	83.54
82	85.21	85.03	84.86	84.68	84.51
83	86.19	86.01	85.84	85.66	85.49
84	87.14	86.97	86.80	86.63	86.46
85	88.10	87.93	87.77	87.60	87.43
86	89.06	88.89	88.73	88.56	88.39
87	89.99	89.83	89.66	89.50	89.34
88	90.92	90.76	90.60	90.44	90.28
89	91.87	91.71	91.56	91.40	91.25
90	92.80	92.65	92.49	92.34	92.19
91	93.72	93.57	93.42	93.27	93.12
92	94.65	94.52	94.37	94.23	94.09
93	95.64	95.50	95.36	95.22	95.08
94	96.53	96.39	96.25	96.11	95.97
95	97.38	97.25	97.11	96.98	96.84
96	98.28	98.16	98.03	97.91	97.78
97	99.18	99.07	98.95	98.84	98.72
98	100.12	100.00	99.89	99.77	99.66
99	101.05	100.94	100.83	100.72	100.61
100	101.98	101.87	101.77	101.66	101.56

46°—50°

TRUE PER CENT.

Indica- tion.	46°	47°	48°	49°	50°
1	1·80	1·74	1·69	1·63	1·58
2	2·58	2·55	2·53	2·50	2·47
3	3·55	3·52	3·50	3·47	3·45
4	4·54	4·51	4·49	4·46	4·44
5	5·53	5·51	5·48	5·46	5·44
6	6·61	6·58	6·55	6·52	6·49
7	7·68	7·64	7·61	7·57	7·54
8	8·72	8·68	8·65	8·61	8·58
9	9·75	9·72	9·68	9·65	9·61
10	10·81	10·77	10·72	10·68	10·64
11	11·99	11·93	11·88	11·82	11·77
12	13·08	13·01	12·95	12·88	12·82
13	14·17	14·10	14·02	13·95	13·88
14	15·26	15·18	15·11	15·03	14·95
15	16·40	16·31	16·23	16·14	16·06
16	17·57	17·47	17·37	17·27	17·17
17	18·70	18·59	18·49	18·38	18·27
18	19·83	19·71	19·60	19·48	19·36
19	21·02	20·89	20·75	20·62	20·48
20	22·23	22·07	21·92	21·76	21·61
21	23·42	23·25	23·09	22·92	22·76
22	24·61	24·42	24·24	24·05	23·87
23	25·73	25·53	25·34	25·14	24·94
24	26·85	26·64	26·44	26·23	26·03
25	27·96	27·75	27·53	27·32	27·11

46°—50°

TRUE PER CENT.

Indica- tion.	46°	47°	48°	49°	50°
26	29.17	28.84	28.61	28.38	28.15
27	30.20	29.96	29.71	29.47	29.23
28	31.32	31.07	30.83	30.58	30.33
29	32.41	32.15	31.90	31.64	31.39
30	33.49	33.22	32.96	32.69	32.42
31	34.55	34.26	33.97	33.68	33.49
32	35.58	35.30	35.03	34.75	34.48
33	36.60	36.32	36.05	35.77	35.49
34	37.60	37.33	37.05	36.78	36.50
35	38.59	38.31	38.04	37.76	37.49
36	39.60	39.32	39.05	38.77	38.49
37	40.59	40.32	40.04	39.77	39.49
38	41.64	41.36	41.07	40.79	40.51
39	42.55	42.28	42.02	41.75	41.48
40	43.53	43.26	42.98	42.71	42.44
41	44.45	44.19	43.92	43.66	43.39
42	45.41	45.15	44.88	44.62	44.36
43	46.35	46.09	45.84	45.58	45.32
44	47.32	47.07	46.82	46.57	46.32
45	48.29	48.04	47.80	47.55	47.30
46	49.27	49.02	48.78	48.53	48.28
47	50.24	50.00	49.75	49.51	49.26
48	51.19	50.95	50.70	50.46	50.22
49	52.13	51.89	51.66	51.42	51.18
50	53.10	52.87	52.63	52.40	52.17

46°—50°

TRUE PER CENT.

Indica- tion.	46°	47°	48°	49°	50°
51	54.09	53.86	53.63	53.40	53.17
52	55.06	54.83	54.59	54.36	54.13
53	56.01	55.78	55.56	55.33	55.10
54	56.97	56.75	56.54	56.32	56.10
55	57.94	57.72	57.51	57.29	57.07
56	58.93	58.71	58.49	58.27	58.05
57	59.89	59.68	59.46	59.25	59.04
58	60.87	60.66	60.44	60.23	60.02
59	61.84	61.63	61.43	61.22	61.01
60	62.80	62.60	62.39	62.19	61.98
61	63.79	63.59	63.38	63.18	62.97
62	64.79	64.58	64.38	64.17	63.97
63	65.78	65.57	65.37	65.16	64.96
64	66.76	66.56	66.35	66.15	65.95
65	67.74	67.54	67.34	67.14	66.94
66	68.71	68.52	68.32	68.13	67.93
67	69.70	69.50	69.30	69.10	68.90
68	70.67	70.47	70.28	70.08	69.88
69	71.65	71.45	71.26	71.06	70.87
70	72.61	72.42	72.22	72.03	71.84
71	73.57	73.38	73.18	72.99	72.80
72	74.54	74.36	74.17	73.99	73.80
73	75.55	75.36	75.18	74.99	74.80
74	76.53	76.35	76.16	75.98	75.79
75	77.50	77.32	77.13	76.95	76.77

46°—50°

TRUE PER CENT.

Indica- tion.	46°	47°	48°	49°	50°
76	78.48	78.30	78.11	77.93	77.75
77	79.45	79.27	79.10	78.92	78.74
78	80.44	80.26	80.09	79.91	79.73
79	81.41	81.23	81.06	80.88	80.71
80	82.38	82.21	82.03	81.86	81.68
81	83.37	83.19	83.02	82.84	82.67
82	84.34	84.17	83.99	83.82	83.65
83	85.32	85.15	84.98	84.81	84.64
84	86.29	86.13	85.96	85.80	85.63
85	87.26	87.10	86.93	86.77	86.60
86	88.23	88.07	87.91	87.75	87.59
87	89.34	89.18	89.02	88.87	88.55
88	90.12	89.96	89.81	89.65	89.49
89	91.10	90.94	90.79	90.63	90.48
90	92.04	91.89	91.74	91.59	91.44
91	92.97	92.83	92.68	92.54	92.39
92	93.95	93.81	93.66	93.52	93.38
93	94.94	94.80	94.66	94.52	94.38
94	95.83	95.69	95.55	95.41	95.27
95	96.72	96.59	96.47	96.34	96.22
96	97.66	97.54	97.41	97.29	97.17
97	98.60	98.48	98.37	98.25	98.13
98	99.55	99.44	99.33	99.21	99.10
99	100.50	100.40	100.29	100.18	100.07
100	101.46	101.35	101.26	101.15	101.04

51°—55°

TRUE PER CENT.

Indica- tion.	51°	52°	53°	54°	55°
1	1.52	1.46	1.40	1.34	1.28
2	2.43	2.39	2.34	2.30	2.26
3	3.41	3.37	3.33	3.29	3.25
4	4.40	4.36	4.32	4.28	4.24
5	5.40	5.36	5.33	5.29	5.25
6	6.45	6.41	6.37	6.33	6.29
7	7.50	7.45	7.41	7.36	7.32
8	8.53	8.48	8.42	8.37	8.32
9	9.56	9.50	9.45	9.39	9.34
10	10.58	10.52	10.46	10.40	10.34
11	11.70	11.63	11.55	11.48	11.41
12	12.75	12.68	12.60	12.53	12.46
13	13.80	13.72	13.64	13.56	13.48
14	14.86	14.77	14.69	14.60	14.51
15	15.96	15.86	15.77	15.67	15.57
16	17.06	16.95	16.84	16.73	16.62
17	18.15	18.03	17.91	17.79	17.67
18	19.23	19.10	18.96	18.83	18.70
19	20.34	20.20	20.05	19.91	19.77
20	21.45	21.29	21.14	20.98	20.82
21	22.58	22.41	22.23	22.06	21.88
22	23.69	23.50	23.32	23.13	22.95
23	24.75	24.56	24.36	24.17	23.98
24	25.83	25.63	25.42	25.22	25.02
25	26.90	26.68	26.47	26.25	26.04

51°—55°

TRUE PER CENT.

Indica- tion.	51°	52°	53°	54°	55°
26	27.93	27.71	27.50	27.28	27.06
27	29.00	28.78	28.55	28.33	28.10
28	30.10	29.86	29.63	29.39	29.16
29	31.14	30.89	30.64	30.39	30.14
30	32.17	31.92	31.66	31.41	31.16
31	33.23	32.97	32.72	32.46	32.20
32	34.22	33.96	33.69	33.43	33.17
33	35.23	34.97	34.72	34.46	34.20
34	36.24	35.98	35.71	35.45	35.19
35	37.23	36.97	36.71	36.45	36.19
36	38.23	37.98	37.72	37.47	37.21
37	39.23	38.97	38.71	38.45	38.19
38	40.25	40.00	39.74	39.49	39.23
39	41.22	40.96	40.70	40.44	40.18
40	42.19	41.94	41.68	41.43	41.18
41	43.14	42.89	42.64	42.39	42.14
42	44.12	43.87	43.63	43.38	43.14
43	45.08	44.84	44.60	44.36	44.12
44	46.08	45.84	45.61	45.37	45.13
45	47.06	46.83	46.59	46.36	46.12
46	48.04	47.81	47.57	47.34	47.10
47	49.03	48.79	48.56	48.32	48.09
48	49.99	49.76	49.52	49.29	49.06
49	50.96	50.74	50.51	50.29	50.07
50	51.95	51.73	51.50	51.28	51.06

51°—55°

TRUE PER CENT.

Indica- tion.	51°	52°	53°	54°	55°
51	52.95	52.73	52.50	52.28	52.06
52	53.91	53.69	53.47	53.25	53.03
53	54.89	54.67	54.46	54.24	54.03
54	55.89	55.67	55.46	55.24	55.03
55	56.86	56.65	56.44	56.23	56.02
56	57.84	57.63	57.43	57.22	57.01
57	58.83	58.62	58.42	58.21	58.00
58	59.81	59.61	59.40	59.20	58.99
59	60.81	60.60	60.40	60.19	59.99
60	61.78	61.58	61.37	61.17	60.97
61	62.77	62.57	62.38	62.18	61.98
62	63.77	63.57	63.37	63.17	62.97
63	64.76	64.56	64.36	64.16	63.96
64	65.75	65.55	65.36	65.16	64.96
65	66.74	66.54	66.35	66.15	65.95
66	67.73	67.53	67.33	67.13	66.93
67	68.71	68.52	68.32	68.13	67.94
68	69.69	69.50	69.31	69.12	68.93
69	70.68	70.49	70.31	70.12	69.93
70	71.65	71.46	71.27	71.08	70.89
71	72.62	72.44	72.26	72.08	71.90
72	73.62	73.44	73.25	73.07	72.89
73	74.62	74.44	74.25	74.07	73.89
74	75.61	75.43	75.24	75.06	74.88
75	76.59	76.41	76.23	76.05	75.87

51°—55°

TRUE PER CENT.

Indica- tion.	51°	52°	53°	54°	55°
76	77.57	77.39	77.22	77.04	76.86
77	78.56	78.39	78.21	78.04	77.86
78	79.56	79.38	79.21	79.03	78.86
79	80.54	80.36	80.19	80.01	79.84
80	81.51	81.34	81.18	81.01	80.84
81	82.50	82.33	82.17	82.00	81.83
82	83.48	83.32	83.15	82.99	82.82
83	84.48	84.31	84.15	83.98	83.82
84	85.47	85.30	85.14	84.97	84.81
85	86.44	86.28	86.11	85.95	85.79
86	87.43	87.27	87.12	86.96	86.80
87	88.39	88.23	88.08	87.92	87.76
88	89.34	89.19	89.05	88.90	88.75
89	90.33	90.19	90.04	89.90	89.75
90	91.29	91.14	91.00	90.85	90.70
91	92.25	92.11	91.97	91.83	91.69
92	93.24	93.11	92.97	92.84	92.70
93	94.24	94.10	93.97	93.83	93.69
94	95.14	95.01	94.89	94.76	94.63
95	96.10	95.97	95.85	95.72	95.60
96	97.05	96.93	96.82	96.70	96.58
97	98.02	97.90	97.79	97.67	97.56
98	98.99	98.88	98.76	98.65	98.54
99	99.96	99.85	99.75	99.64	99.53
100	100.94	100.83	100.73	100.62	100.52

56°—60°

TRUE PER CENT.

Indica- tion.	56°	57°	58°	59°	60°
1	1.22	1.17	1.11	1.06	1.00
2	2.21	2.16	2.10	2.05	2.00
3	3.20	3.15	3.10	3.05	3.00
4	4.19	4.14	4.10	4.05	4.00
5	5.20	5.15	5.10	5.05	5.00
6	6.23	6.17	6.12	6.06	6.00
7	7.26	7.19	7.13	7.06	7.00
8	8.26	8.19	8.13	8.06	8.00
9	9.27	9.20	9.14	9.07	9.00
10	10.27	10.20	10.14	10.07	10.00
11	11.33	11.25	11.16	11.08	11.00
12	12.37	12.28	12.18	12.09	12.00
13	13.38	13.29	13.19	13.10	13.00
14	14.41	14.31	14.20	14.10	14.00
15	15.46	15.34	15.23	15.11	15.00
16	16.50	16.37	16.25	16.12	16.00
17	17.54	17.40	17.27	17.13	17.00
18	18.56	18.42	18.28	18.14	18.00
19	19.62	19.46	19.31	19.15	19.00
20	20.66	20.49	20.33	20.16	20.00
21	21.70	21.53	21.35	21.18	21.00
22	22.76	22.57	22.38	22.19	22.00
23	23.78	23.59	23.39	23.20	23.00
24	24.82	24.61	24.41	24.20	24.00
25	25.83	25.62	25.42	25.21	25.00

56°—60°

TRUE PER CENT.

Indica- tion.	56°	57°	58°	59°	60°
26	26.85	26.64	26.42	26.21	26.00
27	27.88	27.66	27.44	27.22	27.00
28	28.93	28.70	28.46	28.23	28.00
29	29.91	29.68	29.46	29.23	29.00
30	30.93	30.70	30.46	30.23	30.00
31	31.96	31.72	31.48	31.24	31.00
32	32.94	32.70	32.47	32.23	32.00
33	33.96	33.72	33.48	33.24	33.00
34	34.95	34.71	34.48	34.24	34.00
35	35.95	35.71	35.48	35.24	35.00
36	36.97	36.73	36.48	36.24	36.00
37	37.95	37.71	37.48	37.24	37.00
38	38.98	38.74	38.49	38.25	38.00
39	39.94	39.71	39.47	39.24	39.00
40	40.94	40.71	40.47	40.24	40.00
41	41.91	41.68	41.46	41.23	41.00
42	42.91	42.68	42.46	42.23	42.00
43	43.90	43.67	43.45	43.22	43.00
44	44.90	44.68	44.45	44.23	44.00
45	45.90	45.67	45.45	45.22	45.00
46	46.88	46.66	46.44	46.22	46.00
47	47.87	47.65	47.44	47.22	47.00
48	48.85	48.64	48.42	48.21	48.00
49	49.86	49.64	49.43	49.21	49.00
50	50.85	50.64	50.42	50.21	50.00

56°—60°

TRUE PER CENT.

Indica- tion.	56°	57°	58°	59°	60°
51	51.85	51.64	51.42	51.21	51.00
52	52.82	52.62	52.41	52.21	52.00
53	53.82	53.62	53.41	53.21	53.00
54	54.82	54.62	54.41	54.21	54.00
55	55.82	55.61	55.41	55.20	55.00
56	56.81	56.61	56.40	56.20	56.00
57	57.80	57.60	57.40	57.20	57.00
58	58.79	58.59	58.40	58.20	58.00
59	59.79	59.59	59.40	59.20	59.00
60	60.78	60.58	60.39	60.19	60.00
61	61.78	61.59	61.39	61.20	61.00
62	62.78	62.58	62.39	62.19	62.00
63	63.77	63.58	63.38	63.19	63.00
64	64.77	64.58	64.38	64.19	64.00
65	65.76	65.57	65.38	65.19	65.00
66	66.74	66.56	66.37	66.19	66.00
67	67.75	67.56	67.38	67.19	67.00
68	68.74	68.56	68.39	68.19	68.00
69	69.74	69.56	69.39	69.19	69.00
70	70.71	70.53	70.36	70.18	70.00
71	71.72	71.54	71.36	71.18	71.00
72	72.71	72.53	72.36	72.18	72.00
73	73.71	73.53	73.36	73.18	73.00
74	74.70	74.53	74.35	74.18	74.00
75	75.70	75.52	75.35	75.17	75.00

56°—60°

TRUE PER CENT.

Indica- tion.	56°	57°	58°	59°	60°
76	76.69	76.52	76.34	76.17	76.00
77	77.69	77.52	77.34	77.17	77.00
78	78.69	78.52	78.34	78.17	78.00
79	79.67	79.50	79.34	79.17	79.00
80	80.67	80.50	80.34	80.17	80.00
81	81.66	81.50	81.33	81.17	81.00
82	82.66	82.49	82.33	82.16	82.00
83	83.66	83.49	83.33	83.16	83.00
84	84.65	84.49	84.32	84.16	84.00
85	85.63	85.47	85.32	85.16	85.00
86	86.64	86.48	86.32	86.16	86.00
87	87.61	87.46	87.30	87.15	87.00
88	88.60	88.45	88.30	88.15	88.00
89	89.60	89.45	89.30	89.15	89.00
90	90.56	90.42	90.28	90.14	90.00
91	91.55	91.41	91.28	91.14	91.00
92	92.56	92.42	92.28	92.14	92.00
93	93.55	93.41	93.28	93.14	93.00
94	94.50	94.38	94.25	94.13	94.00
95	95.48	95.36	95.24	95.12	95.00
96	96.46	96.35	96.23	96.12	96.00
97	97.45	97.34	97.22	97.11	97.00
98	98.43	98.32	98.22	98.11	98.00
99	99.42	99.32	99.21	99.11	99.00
100	100.42	100.31	100.21	100.10	100.00

61°—65°

TRUE PER CENT.

Indica- tion.	61°	62°	63°	64°	65°
1	0.95	0.91	0.86	0.82	0.77
2	1.95	1.90	1.84	1.79	1.74
3	2.95	2.89	2.84	2.78	2.73
4	3.94	3.89	3.83	3.78	3.72
5	4.94	4.87	4.81	4.74	4.68
6	5.93	5.86	5.80	5.73	5.66
7	6.93	6.86	6.78	6.71	6.64
8	7.93	7.85	7.78	7.70	7.63
9	8.92	8.85	8.77	8.70	8.62
10	9.91	9.82	9.73	9.64	9.55
11	10.90	10.81	10.71	10.62	10.52
12	11.90	11.80	11.71	11.61	11.51
13	12.89	12.79	12.68	12.58	12.47
14	13.89	13.78	13.66	13.55	13.44
15	14.88	14.75	14.63	14.50	14.38
16	15.87	15.74	15.61	15.48	15.35
17	16.86	16.72	16.59	16.45	16.31
18	17.85	17.71	17.56	17.42	17.27
19	18.84	18.68	18.53	18.37	18.21
20	19.83	19.66	19.50	19.33	19.16
21	20.82	20.64	20.47	20.29	20.11
22	21.81	21.62	21.44	21.25	21.06
23	22.80	22.61	22.41	22.22	22.02
24	23.80	23.60	23.40	23.20	23.00
25	24.80	24.60	24.40	24.20	24.00

61°—65°

TRUE PER CENT.

Indica- tion.	61°	62°	63°	64°	65°
26	25.79	25.59	25.38	25.18	24.97
27	26.79	26.57	26.36	26.14	25.93
28	27.79	27.57	27.36	27.14	26.93
29	28.78	28.56	28.35	28.13	27.91
30	29.78	29.56	29.33	29.11	28.89
31	30.78	30.57	30.35	30.14	29.92
32	31.78	31.55	31.33	31.10	30.88
33	32.78	32.56	32.34	32.12	31.90
34	33.78	33.56	33.34	33.12	32.90
35	34.78	34.56	34.33	34.11	33.89
36	35.78	35.56	35.34	35.12	34.90
37	36.77	36.55	36.32	36.10	35.87
38	37.78	37.55	37.33	37.10	36.88
39	38.77	38.55	38.32	38.10	37.87
40	39.79	39.57	39.36	39.14	38.93
41	40.78	40.57	40.35	40.14	39.92
42	41.79	41.57	41.36	41.14	40.93
43	42.79	42.57	42.36	42.14	41.93
44	43.78	43.57	43.36	43.15	42.94
45	44.78	44.58	44.36	44.15	43.94
46	45.79	45.58	45.37	45.16	44.95
47	46.79	46.59	46.38	46.18	45.97
48	47.79	47.59	47.38	47.18	46.97
49	48.79	48.59	48.38	48.18	47.97
50	49.79	49.59	49.38	49.18	48.97

61°—65°

TRUE PER CENT.

Indica- tion.	61°	62°	63°	64°	65°
51	50·80	50·61	50·41	50·22	50·02
52	51·80	51·60	51·41	51·21	51·01
53	52·80	52·60	52·41	52·21	52·01
54	53·80	53·61	53·41	53·22	53·02
55	54·80	54·61	54·41	54·22	54·02
56	55·81	55·61	55·42	55·22	55·03
57	56·81	56·61	56·42	56·23	56·04
58	57·81	57·62	57·42	57·23	57·04
59	58·81	58·62	58·54	58·24	58·05
60	59·81	59·62	59·43	59·24	59·05
61	60·81	60·62	60·43	60·24	60·05
62	61·81	61·62	61·44	61·25	61·06
63	62·81	62·62	62·44	62·25	62·06
64	63·81	63·63	63·44	63·26	63·07
65	64·82	64·63	64·45	64·26	64·08
66	65·82	65·63	65·45	65·26	65·08
67	66·82	66·63	66·45	66·26	66·08
68	67·82	67·63	67·45	67·26	67·08
69	68·82	68·64	68·47	68·29	68·11
70	69·82	69·64	69·47	69·29	69·11
71	70·82	70·65	70·47	70·30	70·12
72	71·82	71·65	71·47	71·30	71·12
73	72·83	72·65	72·48	72·30	72·13
74	73·83	73·66	73·48	73·31	73·14
75	74·83	74·66	74·49	74·32	74·15

61°—65°

TRUE PER CENT.

Indica- tion.	61°	62°	63°	64°	65°
76	75·83	75·66	75·50	75·33	75·16
77	76·83	76·66	76·50	76·33	76·16
78	77·84	77·67	77·51	77·34	77·18
79	78·84	78·67	78·51	78·34	78·18
80	79·84	79·67	79·51	79·34	79·18
81	80·84	80·68	80·52	80·36	80·20
82	81·84	81·68	81·52	81·36	81·20
83	82·84	82·68	82·53	82·37	82·21
84	83·84	83·69	83·53	83·38	83·22
85	84·84	84·69	84·53	84·38	84·22
86	85·85	85·70	85·56	85·41	85·26
87	86·85	86·71	86·56	86·42	86·27
88	87·85	87·71	87·56	87·42	87·27
89	88·86	88·72	88·57	88·43	88·29
90	89·86	89·73	89·59	89·46	89·32
91	90·86	90·73	90·59	90·46	90·32
92	91·86	91·72	91·59	91·45	91·31
93	92·88	92·75	92·63	92·50	92·38
94	93·88	93·76	93·64	93·52	93·40
95	94·88	94·77	94·65	94·54	94·42
96	95·89	95·78	95·66	95·55	95·44
97	96·89	96·78	96·68	96·57	96·46
98	97·89	97·79	97·68	97·58	97·47
99	98·90	98·80	98·69	98·59	98·49
100	99·90	99·80	99·71	99·61	99·51

66°—70°

TRUE PER CENT.

Indica- tion.	66°	67°	68°	69°	70°
1	0.74	0.71	0.67	0.64	0.61
2	1.69	1.65	1.60	1.56	1.51
3	2.68	2.62	2.57	2.51	2.46
4	3.66	3.60	3.54	3.48	3.42
5	4.62	4.55	4.49	4.42	4.36
6	5.59	5.51	5.44	5.36	5.29
7	6.56	6.49	6.41	6.34	6.26
8	7.55	7.47	7.39	7.31	7.23
9	8.53	8.45	8.36	8.28	8.19
10	9.43	9.34	9.25	9.16	9.07
11	10.42	10.32	10.23	10.13	10.03
12	11.40	11.30	11.19	11.09	10.98
13	12.36	12.25	12.14	12.03	11.92
14	13.32	13.20	13.07	12.95	12.83
15	14.25	14.13	14.00	13.88	13.75
16	15.22	15.08	14.95	14.81	14.68
17	16.17	16.03	15.88	15.74	15.61
18	17.12	16.97	16.83	16.68	16.53
19	18.05	17.90	17.74	17.59	17.43
20	18.99	18.83	18.66	18.50	18.33
21	19.94	19.76	19.59	19.41	19.24
22	20.87	20.69	20.50	20.32	20.13
23	21.83	21.64	21.46	21.27	21.08
24	22.81	22.63	22.44	22.26	22.07
25	23.81	23.62	23.43	23.24	23.05

66°—70°

TRUE PER CENT.

Indica- tion.	66°	67°	68°	69°	70°
26	24.77	24.57	24.38	24.18	23.98
27	25.73	25.54	25.34	25.15	24.95
28	26.73	26.53	26.33	26.13	25.93
29	27.71	27.50	27.30	27.09	26.89
30	28.69	28.49	28.28	28.08	27.88
31	29.71	29.50	29.30	29.09	28.88
32	30.68	30.47	30.27	30.06	29.86
33	31.69	31.49	31.28	31.08	30.87
34	32.69	32.48	32.28	32.07	31.86
35	33.69	33.48	33.28	33.07	32.87
36	34.69	34.49	34.28	34.08	33.87
37	35.66	35.46	35.25	35.05	34.84
38	36.67	36.46	36.24	36.03	35.82
39	37.67	37.46	37.26	37.05	36.85
40	38.73	38.52	38.32	38.11	37.91
41	39.72	39.52	39.31	39.11	38.91
42	40.73	40.53	40.32	40.12	39.92
43	41.73	41.52	41.32	41.11	40.91
44	42.74	42.53	42.33	42.12	41.92
45	43.74	43.54	43.34	43.14	42.94
46	44.75	44.55	44.37	44.17	43.97
47	45.77	45.57	45.38	45.18	44.98
48	46.77	46.58	46.38	46.19	45.99
49	47.77	47.57	47.38	47.18	46.98
50	48.78	48.59	48.40	48.21	48.02

66°—70°

TRUE PER CENT.

Indica- tion.	66°	67°	68°	69°	70°
51	49·83	49·64	49·44	49·25	49·06
52	50·82	50·63	50·43	50·24	50·05
53	51·82	51·63	51·44	51·25	51·06
54	52·83	52·64	52·44	52·25	52·06
55	53·83	53·64	53·45	53·26	53·07
56	54·84	54·64	54·46	54·28	54·09
57	55·85	55·66	55·48	55·29	55·10
58	56·85	56·67	56·48	56·30	56·11
59	57·87	57·68	57·50	57·31	57·13
60	58·87	58·69	58·50	58·32	58·14
61	59·87	59·68	59·50	59·31	59·13
62	60·87	60·69	60·50	60·32	60·13
63	61·88	61·69	61·51	61·32	61·14
64	62·89	62·71	62·53	62·35	62·17
65	63·90	63·72	63·55	63·37	63·19
66	64·90	64·73	64·55	64·38	64·20
67	65·90	65·72	65·55	65·37	65·19
68	66·91	66·74	66·56	66·39	66·22
69	67·94	67·76	67·59	67·41	67·24
70	68·94	68·77	68·59	68·42	68·25
71	69·95	69·77	69·60	69·42	69·25
72	70·95	70·77	70·60	70·42	70·25
73	71·96	71·79	71·62	71·45	71·28
74	72·97	72·80	72·63	72·46	72·29
75	73·98	73·81	73·64	73·47	73·30

66°—70°

TRUE PER CENT.

Indica- tion.	66°	67°	68°	69°	70°
76	74.99	74.82	74.66	74.49	74.32
77	76.00	75.83	75.67	75.50	75.34
78	77.02	76.85	76.69	76.52	76.36
79	78.02	77.85	77.69	77.52	77.36
80	79.02	78.86	78.70	78.54	78.38
81	80.04	79.88	79.72	79.56	79.40
82	81.04	80.89	80.73	80.58	80.42
83	82.06	81.90	81.75	81.59	81.44
84	83.07	82.91	82.76	82.60	82.45
85	84.07	83.92	83.77	83.62	83.47
86	85.11	84.96	84.82	84.67	84.52
87	86.12	85.98	85.83	85.69	85.54
88	87.13	86.99	86.84	86.70	86.56
89	88.15	88.02	87.88	87.75	87.61
90	89.18	89.05	88.91	88.78	88.64
91	90.18	90.05	89.91	89.78	89.64
92	91.18	91.06	90.93	90.81	90.68
93	92.26	92.14	92.02	91.90	91.78
94	93.28	93.16	93.05	92.93	92.81
95	94.31	94.19	94.08	93.96	93.85
96	95.33	95.22	95.10	94.99	94.88
97	96.35	96.24	96.14	96.03	95.92
98	97.37	97.27	97.16	97.06	96.96
99	98.39	98.29	98.19	98.09	97.97
100	99.42	99.32	99.23	99.13	99.04

71°—75°

TRUE PER CENT.

Indica- tion.	71°	72°	73°	74°	75°
1	0.58	0.56	0.53	0.51	0.48
2	1.47	1.42	1.38	1.33	1.29
3	2.41	2.35	2.30	2.24	2.19
4	3.36	3.30	3.24	3.18	3.12
5	4.29	4.22	4.14	4.07	4.00
6	5.22	5.14	5.07	4.99	4.92
7	6.18	6.10	6.02	5.94	5.86
8	7.15	7.06	6.98	6.89	6.81
9	8.09	8.00	7.90	7.81	7.71
10	8.97	8.88	8.78	8.69	8.59
11	9.92	9.81	9.71	9.60	9.49
12	10.87	10.76	10.65	10.54	10.43
13	11.80	11.68	11.56	11.44	11.32
14	12.70	12.57	12.45	12.32	12.19
15	13.62	13.49	13.36	13.23	13.10
16	14.54	14.41	14.27	14.14	14.00
17	15.47	15.32	15.18	15.03	14.89
18	16.38	16.23	16.08	15.93	15.78
19	17.27	17.11	16.96	16.80	16.64
20	18.17	18.00	17.84	17.67	17.51
21	19.06	18.88	18.71	18.53	18.35
22	19.95	19.77	19.58	19.40	19.22
23	20.90	20.72	20.54	20.36	20.18
24	21.89	21.70	21.52	21.33	21.15
25	22.86	22.68	22.49	22.31	22.12

71°—75°

TRUE PER CENT.

Indica- tion.	71°	72°	73°	74°	75°
26	23·80	23·61	23·43	23·24	23·06
27	24·76	24·57	24·39	24·20	24·01
28	25·74	25·55	25·37	25·18	24·99
29	26·70	26·52	26·33	26·15	25·96
30	27·69	27·50	27·31	27·12	26·93
31	28·69	28·50	28·31	28·12	27·93
32	29·67	29·48	29·30	29·11	28·92
33	30·68	30·49	30·29	30·10	29·91
34	31·67	31·48	31·29	31·10	30·91
35	32·67	32·48	32·28	32·09	31·89
36	33·67	33·48	33·28	33·09	32·89
37	34·64	34·44	34·25	34·05	33·85
38	35·63	35·43	35·24	35·04	34·85
39	36·66	36·47	36·27	36·08	35·89
40	37·72	37·53	37·33	37·14	36·95
41	38·72	38·53	38·33	38·14	37·95
42	39·73	39·54	39·34	39·15	38·96
43	40·72	40·53	40·34	40·14	39·95
44	41·73	41·54	41·35	41·16	40·97
45	42·76	42·57	42·39	42·20	42·00
46	43·78	43·59	43·41	43·22	43·03
47	44·79	44·60	44·41	44·22	44·03
48	45·80	45·61	45·42	45·23	45·04
49	46·80	46·62	46·43	46·25	46·07
50	47·84	47·65	47·47	47·28	47·10

71°—75°

TRUE PER CENT.

Indica- tion.	71°	72°	73°	74°	75°
51	48.87	48.69	48.50	48.32	48.13
52	49.87	49.68	49.50	49.31	49.13
53	50.87	50.69	50.50	50.32	50.13
54	51.88	51.69	51.51	51.32	51.14
55	52.89	52.70	52.52	52.33	52.15
56	53.92	53.72	53.55	53.35	53.17
57	54.92	54.74	54.57	54.39	54.21
58	55.93	55.76	55.58	55.41	55.23
59	56.95	56.77	56.60	56.42	56.24
60	57.96	57.78	57.59	57.41	57.23
61	58.95	58.77	58.59	58.41	58.23
62	59.95	59.77	59.59	59.41	59.23
63	60.96	60.79	60.61	60.44	60.26
64	61.99	61.82	61.64	61.47	61.29
65	63.02	62.84	62.67	62.49	62.32
66	64.02	63.85	63.67	63.50	63.32
67	65.02	64.85	64.68	64.51	64.34
68	66.05	65.88	65.70	65.53	65.36
69	67.07	66.90	66.73	66.56	66.39
70	68.08	67.91	67.73	67.56	67.39
71	69.08	68.91	68.75	68.58	68.41
72	70.09	69.92	69.76	69.59	69.43
73	71.11	70.95	70.78	70.62	70.45
74	72.13	71.96	71.80	71.63	71.47
75	73.14	72.98	72.81	72.65	72.49

71°—75

TRUE PER CENT.

Indica- tion.	71°	72°	73°	74°	75°
76	74.16	74.00	73.83	73.67	73.51
77	75.18	75.02	74.85	74.69	74.53
78	76.20	76.04	75.89	75.73	75.57
79	77.20	77.05	76.89	76.74	76.58
80	78.22	78.07	77.91	77.76	77.60
81	79.25	79.09	78.94	78.78	78.63
82	80.27	80.11	79.96	79.80	79.65
83	81.29	81.14	80.98	80.83	80.68
84	82.30	82.15	82.00	81.85	81.70
85	83.33	83.18	83.04	82.89	82.75
86	84.38	84.24	84.09	83.95	83.81
87	85.40	85.26	85.11	84.97	84.83
88	86.42	86.29	86.15	86.02	85.88
89	87.48	87.34	87.21	87.07	86.94
90	88.51	88.37	88.24	88.10	87.97
91	89.51	89.37	89.24	89.10	88.97
92	90.56	90.44	90.31	90.19	90.07
93	91.66	91.54	91.43	91.31	91.19
94	92.72	92.58	92.47	92.35	92.24
95	93.74	93.63	93.52	93.41	93.30
96	94.77	94.67	94.56	94.46	94.35
97	95.82	95.71	95.61	95.50	95.40
98	96.86	96.75	96.65	96.54	96.44
99	97.87	97.78	97.68	97.59	97.49
100	98.94	98.84	98.74	98.64	98.54

76°—80°

TRUE PER CENT.

Indica- tion.	76°	77°	78°	79°	80°
1	0.46	0.44	0.43	0.41	0.39
2	1.25	1.22	1.17	1.14	1.11
3	2.14	2.10	2.05	2.01	1.96
4	3.06	3.00	2.93	2.87	2.81
5	3.93	3.86	3.79	3.72	3.65
6	4.84	4.77	4.69	4.62	4.54
7	5.78	5.70	5.61	5.53	5.45
8	6.72	6.64	6.55	6.47	6.38
9	7.61	7.51	7.42	7.32	7.22
10	8.48	8.38	8.27	8.17	8.06
11	9.39	9.28	9.18	9.07	8.97
12	10.31	10.20	10.08	9.97	9.85
13	11.20	11.08	10.95	10.83	10.71
14	12.07	11.94	11.82	11.69	11.57
15	12.97	12.83	12.70	12.56	12.43
16	13.86	13.72	13.58	13.44	13.30
17	14.75	14.60	14.46	14.31	14.17
18	15.63	15.48	15.34	15.19	15.04
19	16.49	16.34	16.18	16.03	15.88
20	17.35	17.18	17.02	16.85	16.69
21	18.18	18.01	17.85	17.68	17.51
22	19.05	18.88	18.71	18.54	18.37
23	20.01	19.83	19.66	19.48	19.31
24	20.97	20.80	20.62	20.45	20.27
25	21.95	21.78	21.60	21.43	21.26

76°—80°

TRUE PER CENT.

Indica- tion.	76°	77°	78°	79°	80°
26	22.89	22.71	22.54	22.36	22.19
27	23.83	23.66	23.48	23.31	23.13
28	24.81	24.64	24.46	24.29	24.11
29	25.78	25.60	25.43	25.25	25.07
30	26.76	26.58	26.41	26.23	26.06
31	27.75	27.58	27.40	27.23	27.05
32	28.74	28.56	28.39	28.21	28.03
33	29.73	29.55	29.38	29.20	29.02
34	30.73	30.55	30.37	30.19	30.01
35	31.71	31.53	31.35	31.17	30.99
36	32.71	32.53	32.34	32.16	31.98
37	33.67	33.49	33.31	33.13	32.95
38	34.67	34.49	34.30	34.12	33.94
39	35.71	35.53	35.35	35.17	34.99
40	36.77	36.59	36.40	36.22	36.04
41	37.77	37.59	37.40	37.22	37.04
42	38.78	38.59	38.41	38.22	38.04
43	39.77	39.59	39.40	39.22	39.04
44	40.79	40.61	40.42	40.24	40.06
45	41.82	41.64	41.45	41.27	41.09
46	42.85	42.66	42.48	42.29	42.11
47	43.85	43.67	43.49	43.31	43.13
48	44.86	44.68	44.51	44.33	44.15
49	45.89	45.71	45.54	45.36	45.18
50	46.92	46.74	46.56	46.38	46.20

76°—80°

TRUE PER CENT.

Indica- tion.	76°	77°	78°	79°	80°
51	47.95	47.78	47.60	47.43	47.25
52	48.95	48.78	48.60	48.43	48.25
53	49.95	49.78	49.60	49.43	49.25
54	50.96	50.78	50.61	50.43	50.25
55	51.97	51.79	51.62	51.44	51.26
56	53.00	52.82	52.65	52.47	52.30
57	54.03	53.85	53.68	53.50	53.32
58	55.05	54.87	54.70	54.52	54.34
59	56.06	55.88	55.71	55.53	55.35
60	57.06	56.89	56.71	56.54	56.37
61	58.05	57.88	57.70	57.53	57.35
62	59.06	58.89	58.71	58.54	58.37
63	60.09	59.92	59.74	59.57	59.40
64	61.12	60.95	60.78	60.61	60.44
65	62.15	61.98	61.81	61.64	61.47
66	63.15	62.99	62.82	62.66	62.49
67	64.17	64.00	63.84	63.67	63.50
68	65.19	65.03	64.86	64.70	64.53
69	66.22	66.05	65.89	65.72	65.55
70	67.22	67.06	66.89	66.73	66.56
71	68.24	68.08	67.91	67.75	67.58
72	69.27	69.10	68.94	68.77	68.61
73	70.29	70.13	69.96	69.80	69.64
74	71.31	71.15	70.98	70.82	70.66
75	72.33	72.17	72.00	71.84	71.68

76°—80°

TRUE PER CENT.

Indicator.	76°	77°	78°	79°	80°
76	73.35	73.19	73.04	72.88	72.72
77	74.37	74.21	74.06	73.90	73.74
78	75.41	75.26	75.10	74.95	74.79
79	76.42	76.27	76.11	75.96	75.80
80	77.45	77.30	77.14	76.99	76.84
81	78.48	78.33	78.18	78.03	77.88
82	79.50	79.35	79.20	79.05	78.90
83	80.53	80.38	80.24	80.09	79.94
84	81.56	81.42	81.27	81.13	80.99
85	82.61	82.47	82.33	82.19	82.05
86	83.67	83.53	83.38	83.24	83.10
87	84.69	84.56	84.42	84.29	84.15
88	85.75	85.61	85.48	85.34	85.21
89	86.81	86.68	86.54	86.41	86.28
90	87.84	87.70	87.57	87.43	87.30
91	88.97	88.85	88.73	88.61	88.37
92	89.95	89.83	89.72	89.60	89.48
93	91.07	90.96	90.84	90.73	90.61
94	92.13	92.02	91.90	91.79	91.68
95	93.19	93.08	92.97	92.86	92.75
96	94.25	94.14	94.04	93.93	93.83
97	95.30	95.19	95.09	94.98	94.88
98	96.34	96.24	96.14	96.04	95.94
99	97.39	97.29	97.20	97.10	97.00
100	98.45	98.35	98.26	98.16	98.07

81°—85°

TRUE PER CENT.

Indica- tion.	81°	82°	83°	84°	85°
1	0.38	0.36	0.35	0.33	0.32
2	1.08	1.05	1.03	1.00	0.97
3	1.91	1.87	1.82	1.78	1.73
4	2.75	2.69	2.64	2.58	2.52
5	3.59	3.52	3.46	3.39	3.33
6	4.47	4.40	4.32	4.25	4.18
7	5.37	5.29	5.22	5.14	5.06
8	6.29	6.20	6.10	6.01	5.92
9	7.12	7.03	6.93	6.84	6.74
10	7.96	7.87	7.77	7.68	7.58
11	8.86	8.76	8.65	8.55	8.44
12	9.74	9.62	9.51	9.39	9.28
13	10.59	10.47	10.35	10.23	10.11
14	11.44	11.31	11.19	11.06	10.93
15	12.30	12.17	12.03	11.90	11.77
16	13.16	13.03	12.89	12.76	12.62
17	14.03	13.89	13.75	13.61	13.47
18	14.90	14.76	14.61	14.47	14.33
19	15.73	15.58	15.42	15.27	15.12
20	16.53	16.38	16.22	16.07	15.91
21	17.35	17.19	17.03	16.87	16.71
22	18.20	18.03	17.87	17.70	17.53
23	19.14	18.98	18.81	18.65	18.48
24	20.11	19.94	19.78	19.61	19.45
25	21.09	20.93	20.76	20.60	20.43

81°—85°

TRUE PER CENT.

Indica- tion.	81°	82°	83°	84°	85°
26	22.02	21.86	21.69	21.53	21.36
27	22.97	22.80	22.64	22.47	22.31
28	23.94	23.78	23.61	23.45	23.28
29	24.90	24.74	24.57	24.41	24.24
30	25.89	25.72	25.56	25.39	25.22
31	26.88	26.72	26.55	26.39	26.22
32	27.86	27.69	27.53	27.36	27.19
33	28.85	28.68	28.52	28.35	28.18
34	29.84	29.67	29.49	29.32	29.15
35	30.82	30.65	30.48	30.31	30.14
36	31.81	31.64	31.47	31.30	31.13
37	32.78	32.61	32.44	32.27	32.10
38	33.77	33.59	33.42	33.24	33.07
39	34.82	34.64	34.47	34.29	34.12
40	35.87	35.70	35.52	35.35	35.18
41	36.87	36.69	36.52	36.34	36.17
42	37.87	37.70	37.52	37.35	37.18
43	38.87	38.70	38.52	38.35	38.18
44	39.88	39.71	39.53	39.36	39.18
45	40.92	40.75	40.57	40.40	40.23
46	41.94	41.77	41.59	41.42	41.25
47	42.96	42.79	42.62	42.45	42.28
48	43.98	43.81	43.64	43.47	43.30
49	45.01	44.84	44.67	44.50	44.33
50	46.03	45.86	45.70	45.53	45.36

81°—85°

TRUE PER CENT.

Indica- tion.	81°	82°	83°	84°	85°
51	47·08	46·91	46·73	46·56	46·39
52	48·08	47·90	47·73	47·55	47·38
53	49·08	48·91	48·73	48·56	48·39
54	50·08	49·91	49·73	49·56	49·39
55	51·09	50·92	50·75	50·58	50·41
56	52·13	51·96	51·78	51·61	51·44
57	53·15	52·98	52·81	52·64	52·47
58	54·17	54·00	53·83	53·66	53·49
59	55·18	55·01	54·84	54·67	54·50
60	56·20	56·02	55·85	55·67	55·50
61	57·18	57·01	56·85	56·68	56·51
62	58·20	58·03	57·86	57·69	57·52
63	59·23	59·07	58·90	58·74	58·57
64	60·27	60·10	59·94	59·77	59·60
65	61·31	61·14	60·98	60·81	60·65
66	62·33	62·16	62·00	61·83	61·67
67	63·34	63·18	63·01	62·85	62·69
68	64·36	64·20	64·03	63·87	63·70
69	65·38	65·22	65·05	64·89	64·72
70	66·40	66·24	66·07	65·91	65·75
71	67·42	67·26	67·10	66·94	66·78
72	68·45	68·29	68·13	67·97	67·81
73	69·48	69·32	69·16	69·00	68·84
74	70·50	70·34	70·19	70·03	69·87
75	71·53	71·37	71·22	71·06	70·91

81°—85°

TRUE PER CENT.

Indica- tion.	81°	82°	83°	84°	85°
76	72.57	72.41	72.26	72.10	71.95
77	73.59	73.44	73.28	73.13	72.98
78	74.64	74.48	74.33	74.17	74.02
79	75.65	75.50	75.35	75.20	75.05
80	76.69	76.54	76.38	76.23	76.08
81	77.73	77.58	77.42	77.27	77.12
82	78.75	78.60	78.46	78.31	78.16
83	79.80	79.66	79.51	79.37	79.23
84	80.85	80.71	80.58	80.44	80.30
85	81.91	81.77	81.62	81.48	81.34
86	82.96	82.83	82.69	82.56	82.42
87	84.02	83.89	83.75	83.62	83.49
88	85.08	84.95	84.81	84.68	84.55
89	86.15	86.01	85.88	85.74	85.61
90	87.18	87.05	86.93	86.80	86.68
91	88.25	88.13	88.02	87.90	87.78
92	89.36	89.25	89.13	89.02	88.90
93	90.50	90.38	90.27	90.15	90.04
94	91.57	91.46	91.35	91.24	91.13
95	92.64	92.53	92.42	92.31	92.20
96	93.72	93.61	93.51	93.41	93.29
97	94.78	94.68	94.57	94.47	94.37
98	95.84	95.74	95.64	95.54	95.44
99	96.90	96.81	96.71	96.62	96.52
100	97.97	97.89	97.79	97.70	97.61

86°—90°

TRUE PER CENT.

Indica- tion.	86°	87°	88°	89°	90°
1	0.31	0.30	0.28	0.27	0.26
2	0.94	0.91	0.89	0.86	0.83
3	1.69	1.65	1.61	1.57	1.53
4	2.47	2.42	2.36	2.31	2.26
5	3.27	3.21	3.14	3.08	3.02
6	4.11	4.04	3.98	3.91	3.84
7	4.98	4.90	4.83	4.75	4.67
8	5.83	5.74	5.66	5.57	5.48
9	6.65	6.56	6.47	6.38	6.29
10	7.48	7.38	7.29	7.19	7.09
11	8.33	8.23	8.12	8.02	7.91
12	9.17	9.05	8.94	8.82	8.71
13	9.99	9.87	9.76	9.64	9.52
14	10.79	10.65	10.50	10.36	10.22
15	11.64	11.52	11.39	11.27	11.14
16	12.49	12.36	12.23	12.10	11.97
17	13.33	13.20	13.06	12.93	12.79
18	14.19	14.05	13.90	13.76	13.62
19	14.97	14.83	14.68	14.54	14.39
20	15.76	15.61	15.46	15.31	15.16
21	16.56	16.40	16.25	16.09	15.94
22	17.38	17.22	17.07	16.91	16.76
23	18.33	18.17	18.02	17.86	17.71
24	19.29	19.14	18.98	18.83	18.67
25	20.28	20.13	19.97	19.82	19.67

86°—90°

TRUE PER CENT.

Indica- tion.	86°	87°	88°	89°	90°
26	21.21	21.06	20.90	20.75	20.60
27	22.16	22.00	21.85	21.69	21.54
28	23.12	22.97	22.81	22.66	22.50
29	24.08	23.93	23.77	23.62	23.46
30	25.07	24.91	24.76	24.60	24.45
31	26.06	25.91	25.75	25.60	25.44
32	27.03	26.88	26.72	26.57	26.41
33	28.02	27.86	27.69	27.53	27.37
34	28.99	28.83	28.67	28.51	28.35
35	29.98	29.82	29.66	29.50	29.34
36	30.97	30.81	30.65	30.49	30.33
37	31.94	31.77	31.61	31.44	31.28
38	32.91	32.75	32.58	32.42	32.26
39	33.96	33.79	33.63	33.46	33.30
40	35.02	34.85	34.69	34.52	34.36
41	36.01	35.85	35.69	35.53	35.37
42	37.02	36.85	36.69	36.52	36.36
43	38.01	37.85	37.68	37.52	37.35
44	39.01	38.85	38.68	38.52	38.35
45	40.06	39.90	39.73	39.57	39.40
46	41.09	40.92	40.76	40.59	40.43
47	42.11	41.95	41.78	41.62	41.45
48	43.13	42.97	42.80	42.64	42.47
49	44.16	44.00	43.83	43.67	43.50
50	45.19	45.02	44.86	44.69	44.52

86°—90°

TRUE PER CENT.

Indica- tion.	86°	87°	88°	89°	90°
51	46.22	46.06	45.89	45.73	45.56
52	47.21	47.05	46.88	46.72	46.55
53	48.22	48.06	47.89	47.73	47.56
54	49.23	49.06	48.90	48.73	48.57
55	50.24	50.08	49.91	49.75	49.58
56	51.27	51.10	50.94	50.77	50.60
57	52.31	52.14	51.98	51.81	51.65
58	53.32	53.16	52.99	52.83	52.66
59	54.33	54.17	54.00	53.84	53.67
60	55.34	55.18	55.01	54.85	54.69
61	56.35	56.18	56.02	55.85	55.69
62	57.36	57.20	57.03	56.87	56.71
63	58.41	58.24	58.08	57.91	57.75
64	59.44	59.28	59.13	58.97	58.81
65	60.49	60.33	60.18	60.02	59.86
66	61.51	61.35	61.19	61.03	60.87
67	62.53	62.36	62.20	62.03	61.87
68	63.54	63.38	63.21	63.05	62.89
69	64.56	64.40	64.24	64.08	63.92
70	65.59	65.43	65.27	65.11	64.95
71	66.62	66.47	66.31	66.16	66.00
72	67.65	67.50	67.34	67.19	67.03
73	68.69	68.53	68.38	68.22	68.07
74	69.72	69.57	69.41	69.26	69.11
75	70.76	70.61	70.45	70.30	70.15

86°—90°

TRUE PER CENT.

Indica- tion.	86°	87°	88°	89°	90°
76	71.80	71.65	71.49	71.34	71.19
77	72.83	72.68	72.43	72.28	72.23
78	73.87	73.72	73.57	73.42	73.27
79	74.90	74.75	74.61	74.46	74.31
80	75.93	75.79	75.64	75.50	75.35
81	76.98	76.83	76.69	76.54	76.40
82	78.02	77.88	77.75	77.61	77.47
83	79.09	78.96	78.82	78.69	78.55
84	80.16	80.02	79.89	79.75	79.61
85	81.21	81.07	80.94	80.80	80.67
86	82.29	82.16	82.02	81.89	81.76
87	83.36	83.23	83.10	82.97	82.84
88	84.42	84.29	84.16	84.03	83.90
89	85.48	85.36	85.23	85.11	84.98
90	86.56	86.44	86.33	86.21	86.09
91	87.66	87.55	87.43	87.32	87.20
92	88.79	88.67	88.56	88.44	88.33
93	89.93	89.82	89.71	89.60	89.49
94	91.02	90.92	90.81	90.71	90.60
95	92.10	92.00	91.89	91.79	91.69
96	93.19	93.09	92.98	92.88	92.78
97	94.27	94.17	94.07	93.97	93.87
98	95.34	95.25	95.15	95.06	94.96
99	96.42	96.32	96.23	96.13	96.03
100	97.52	97.42	97.33	97.23	97.14

91°—95°

TRUE PER CENT.

Indica- tion.	91°	92°	93°	94°	95°
1	0.25	0.24	0.24	0.23	0.22
2	0.81	0.79	0.76	0.74	0.72
3	1.49	1.45	1.42	1.38	1.34
4	2.21	2.16	2.12	2.07	2.02
5	2.97	2.91	2.86	2.80	2.75
6	3.78	3.71	3.65	3.58	3.52
7	4.59	4.51	4.44	4.36	4.28
8	5.39	5.31	5.22	5.14	5.05
9	6.20	6.11	6.01	5.92	5.83
10	6.99	6.89	6.79	6.69	6.59
11	7.80	7.70	7.59	7.50	7.38
12	8.60	8.49	8.39	8.28	8.17
13	9.41	9.29	9.18	9.06	8.95
14	10.12	10.02	9.92	9.82	9.72
15	11.02	10.89	10.77	10.64	10.52
16	11.84	11.71	11.59	11.46	11.33
17	12.66	12.53	12.39	12.26	12.13
18	13.48	13.35	13.21	13.08	12.94
19	14.25	14.11	13.98	13.84	13.70
20	15.02	14.88	14.74	14.60	14.46
21	15.80	15.66	15.51	15.37	15.23
22	16.62	16.47	16.33	16.18	16.04
23	17.56	17.42	17.27	17.13	16.98
24	18.53	18.39	18.24	18.10	17.96
25	19.53	19.38	19.24	19.09	18.95

91°—95°

TRUE PER CENT.

Indica- tion.	91°	92°	93°	94°	95°
26	20.46	20.31	20.17	20.02	19.88
27	21.40	21.25	21.11	20.96	20.82
28	22.36	22.21	22.07	21.92	21.78
29	23.32	23.18	23.03	22.89	22.75
30	24.30	24.16	24.01	23.87	23.72
31	25.29	25.15	25.00	24.86	24.71
32	26.26	26.11	25.95	25.80	25.65
33	27.22	27.07	26.93	26.78	26.63
34	28.20	28.05	27.91	27.76	27.61
35	29.19	29.04	28.88	28.73	28.58
36	30.18	30.03	29.87	29.72	29.57
37	31.13	30.98	30.82	30.67	30.52
38	32.10	31.94	31.79	31.63	31.47
39	33.14	32.99	32.83	32.68	32.52
40	34.21	34.05	33.90	33.74	33.59
41	35.21	35.06	34.90	34.75	34.59
42	36.20	36.04	35.89	35.73	35.57
43	37.19	37.03	36.87	36.71	36.55
44	38.19	38.03	37.87	37.71	37.55
45	39.24	39.09	38.93	38.78	38.62
46	40.27	40.11	39.96	39.80	39.64
47	41.29	41.13	40.97	40.81	40.65
48	42.31	42.15	42.00	41.84	41.68
49	43.34	43.18	43.02	42.86	42.70
50	44.36	44.20	44.05	43.89	43.73

91°—95°

TRUE PER CENT.

Indica- tion.	91°	92°	93°	94°	95°
51	45.40	45.24	45.08	44.92	44.76
52	46.39	46.23	46.07	45.91	45.75
53	47.40	47.24	47.09	46.93	46.77
54	48.41	48.25	48.09	47.93	47.77
55	49.42	49.26	49.09	48.93	48.77
56	50.44	50.28	50.11	49.95	49.79
57	51.49	51.33	51.16	51.00	50.84
58	52.50	52.34	52.18	52.02	51.86
59	53.51	53.35	53.20	53.04	52.88
60	54.53	54.37	54.21	54.05	53.89
61	55.53	55.37	55.22	55.06	54.90
62	56.55	56.39	55.22	56.06	55.90
63	57.59	57.44	57.28	57.13	56.97
64	58.65	58.50	58.34	58.19	58.03
65	59.70	59.55	59.39	59.24	59.08
66	60.71	60.56	60.40	60.25	60.09
67	61.72	61.56	61.41	61.25	61.10
68	62.74	62.58	62.43	62.27	62.12
69	63.76	63.61	63.45	63.30	63.14
70	64.80	64.64	64.49	64.33	64.18
71	65.85	65.69	65.54	65.38	65.23
72	66.88	66.72	66.57	66.41	66.26
73	67.92	67.77	67.61	67.46	67.31
74	68.96	68.81	68.65	68.50	68.35
75	69.99	69.85	69.69	69.54	69.39

91°—95°

TRUE PER CENT.

Indica- tion.	91°	92°	93°	94°	95°
76	71·04	70·89	70·75	70·60	70·45
77	72·08	71·93	71·79	71·64	71·49
78	73·12	72·98	72·83	72·69	72·54
79	74·17	74·02	73·88	73·73	73·59
80	75·21	75·06	74·92	74·77	74·63
81	76·26	76·12	75·99	75·85	75·71
82	77·33	77·19	77·06	76·92	76·78
83	78·41	78·28	78·14	78·01	77·87
84	79·48	79·34	79·21	79·07	78·94
85	80·54	80·41	80·28	80·15	80·02
86	81·63	81·50	81·37	81·24	81·11
87	82·71	82·58	82·45	82·32	82·19
88	83·77	83·64	83·51	83·38	83·25
89	84·86	84·74	84·63	84·51	84·39
90	85·98	85·86	85·75	85·63	85·52
91	87·07	86·98	86·86	86·75	86·64
92	88·22	88·11	88·01	87·90	87·79
93	89·38	89·27	89·17	89·06	88·95
94	90·49	90·38	90·28	90·17	90·06
95	91·59	91·48	91·38	91·27	91·17
96	92·68	92·58	92·48	92·38	92·28
97	93·77	93·68	93·58	93·49	93·39
98	94·87	94·77	94·68	94·58	94·49
99	95·94	95·85	95·77	95·68	95·59
100	97·05	96·96	96·87	96·78	96·69

96°—100°

TRUE PER CENT.

Indica- tion.	96°	97°	98°	99°	100°
1	0.21	0.21	0.20	0.20	0.19
2	0.70	0.68	0.66	0.64	0.62
3	1.31	1.28	1.24	1.21	1.18
4	1.98	1.94	1.90	1.86	1.82
5	2.70	2.65	2.59	2.54	2.49
6	3.45	3.39	3.32	3.26	3.19
7	4.21	4.14	4.06	3.99	3.92
8	4.97	4.90	4.82	4.75	4.67
9	5.74	5.66	5.57	5.49	5.40
10	6.50	6.41	6.31	6.22	6.13
11	7.28	7.18	7.09	6.99	6.89
12	8.06	7.96	7.85	7.75	7.64
13	8.84	8.73	8.63	8.52	8.41
14	9.61	9.50	9.38	9.27	9.16
15	10.40	10.29	10.17	10.06	9.94
16	11.21	11.08	10.96	10.83	10.71
17	12.00	11.88	11.75	11.63	11.50
18	12.81	12.69	12.56	12.44	12.31
19	13.57	13.44	13.32	13.19	13.06
20	14.33	14.20	14.06	13.93	13.80
21	15.10	14.96	14.83	14.69	14.56
22	15.91	15.77	15.64	15.50	15.37
23	16.85	16.72	16.58	16.45	16.32
24	17.83	17.69	17.56	17.42	17.29
25	18.82	18.68	18.55	18.41	18.28

96°—100°

TRUE PER CENT.

Indica- tion.	96°	97°	98°	99°	100°
26	19·75	19·62	19·48	19·35	19·22
27	20·68	20·55	20·41	20·28	20·14
28	21·64	21·51	21·37	21·24	21·10
29	22·61	22·47	22·34	22·20	22·06
30	23·58	23·44	23·31	23·17	23·03
31	24·57	24·43	24·28	24·14	24·00
32	25·51	25·37	25·24	25·10	24·96
33	26·49	26·35	26·21	26·07	25·93
34	27·47	27·33	27·19	27·05	26·91
35	28·44	28·30	28·15	28·01	27·87
36	29·42	29·28	29·13	28·99	28·84
37	30·37	30·22	30·08	29·93	29·78
38	31·32	31·17	31·03	30·88	30·73
39	32·37	32·23	32·08	31·94	31·79
40	33·44	33·29	33·15	33·00	32·85
41	34·44	34·29	34·14	33·99	33·84
42	35·42	35·27	35·12	34·97	34·82
43	36·40	36·25	36·10	35·95	35·80
44	37·40	37·25	37·11	36·96	36·81
45	38·47	38·32	38·16	38·01	37·86
46	39·49	39·34	39·18	39·03	38·88
47	40·50	40·35	40·19	40·04	39·89
48	41·53	41·38	41·22	41·07	40·92
49	42·55	42·39	42·24	42·08	41·93
50	43·58	43·42	43·27	43·11	42·96

96°—100°

TRUE PER CENT.

Indica- tion.	96°	97°	98°	99°	100°
51	44.61	44.46	44.30	44.15	44.00
52	45.60	45.44	45.29	45.13	44.98
53	46.62	46.46	46.31	46.15	46.00
54	47.61	47.45	47.30	47.14	46.98
55	48.61	48.45	48.30	48.14	47.98
56	49.63	49.48	49.32	49.17	49.01
57	50.68	50.52	50.37	50.21	50.05
58	51.71	51.56	51.42	51.27	51.12
59	52.72	52.56	52.41	52.25	52.09
60	53.73	53.58	53.42	53.27	53.11
61	54.74	54.59	54.43	54.28	54.12
62	55.75	55.59	55.44	55.28	55.13
63	56.82	56.67	56.51	56.36	56.21
64	57.88	57.73	57.57	57.42	57.27
65	58.93	58.78	58.62	58.47	58.32
66	59.94	59.78	59.63	59.47	59.32
67	60.95	60.80	60.64	60.49	60.34
68	61.97	61.81	61.66	61.50	61.35
69	62.99	62.84	62.68	62.53	62.38
70	64.03	63.88	63.72	63.57	63.42
71	65.08	64.93	64.77	64.62	64.47
72	66.11	65.96	65.82	65.67	65.52
73	67.16	67.01	66.87	66.72	66.57
74	68.20	68.05	67.91	67.76	67.61
75	69.25	69.10	68.96	68.81	68.67

96°—100°

TRUE PER CENT.

Indica- tion.	96°	97°	98°	99°	100°
76	70·30	70·16	70·01	69·87	69·72
77	71·35	71·20	71·06	70·91	70·77
78	72·40	72·26	72·11	71·97	71·83
79	73·45	73·30	73·16	73·01	72·87
80	74·49	74·35	74·22	74·08	73·94
81	75·57	75·44	75·30	75·17	75·03
82	76·65	76·51	76·38	76·24	76·11
83	77·74	77·61	77·47	77·34	77·21
84	78·81	78·68	78·56	78·43	78·30
85	79·89	79·77	79·64	79·52	79·39
86	80·98	80·86	80·73	80·61	80·48
87	82·06	81·93	81·81	81·68	81·55
88	83·13	83·01	82·90	82·78	82·66
89	84·28	84·16	84·05	83·93	83·82
90	85·41	85·30	85·18	85·07	84·96
91	86·53	86·42	86·31	86·20	86·09
92	87·68	87·57	87·47	87·36	87·25
93	88·84	88·74	88·63	88·53	88·42
94	89·96	89·85	89·75	89·64	89·54
95	91·07	90·97	90·87	90·77	90·67
96	92·18	92·08	91·99	91·89	91·79
97	93·29	93·20	93·10	93·01	92·91
98	94·40	94·31	94·21	94·12	94·03
99	95·50	95·41	95·32	95·23	95·14
100	96·60	96·51	96·43	96·34	96·25

100°	99°	98°	97°	96°	Temp.
57.00	78.00	10.01	70.16	03.07	76
77.07	70.91	71.06	71.20	71.37	77
71.85	71.97	72.11	72.26	72.40	78
72.87	73.01	73.16	73.30	73.45	79
73.94	73.08			74.49	80
75.03	75.17	75.30	75.44	75.57	81
76.12	76.26	76.39	76.53	76.67	82
77.21	77.35	77.48	77.62	77.76	83
78.30	78.44	78.57	78.71	78.85	84
79.39	79.53	79.66	79.80	79.94	85
80.48	80.62	80.75	80.89	81.03	86
81.57	81.71	81.84	81.98	82.12	87
83.21	83.35	83.48	83.62	83.76	88
85.40	85.54	85.67	85.81	85.95	89
88.19	88.33	88.46	88.60	88.74	90
90.48	90.62	90.75	90.89	91.03	91
92.77	92.91	93.04	93.18	93.32	92
95.06	95.20	95.33	95.47	95.61	93
97.35	97.49	97.62	97.76	97.90	94
99.64	99.78	99.91	100.05	100.19	95
101.93	102.07	102.20	102.34	102.48	96
104.22	104.36	104.49	104.63	104.77	97
106.51	106.65	106.78	106.92	107.06	98
108.80	108.94	109.07	109.21	109.35	99
111.09	111.23	111.36	111.50	111.64	100

Showing the volume which 1000 gallons of any spirituous liquor, measured at any temperature between 20° and 100° Fahr., and of which the true per cent. by volume is known, will occupy when brought to the standard temperature of 60° Fahrenheit.

21°—25°

VOLUMES.

True per Cent.	21°	22°	23°	24°	25°
1	1000·1	1000·2	1000·2	1000·3	1000·4
2	1000·2	1000·3	1000·3	1000·4	1000·5
3	1000·2	1000·3	1000·3	1000·4	1000·5
4	1000·4	1000·4	1000·5	1000·5	1000·6
5	1000·5	1000·5	1000·6	1000·6	1000·7
6	1000·6	1000·6	1000·7	1000·7	1000·8
7	1000·7	1000·8	1000·8	1000·9	1000·9
8	1000·9	1001·0	1001·0	1001·1	1001·1
9	1001·0	1001·1	1001·1	1001·2	1001·2
10	1001·2	1001·3	1001·3	1001·4	1001·4
11	1001·4	1001·4	1001·5	1001·5	1001·6
12	1001·7	1001·7	1001·8	1001·8	1001·8
13	1002·0	1002·0	1002·1	1002·1	1002·1
14	1002·3	1002·3	1002·3	1002·3	1002·3
15	1002·6	1002·6	1002·6	1002·6	1002·6
16	1003·0	1003·0	1002·9	1002·9	1002·9
17	1003·4	1003·4	1003·3	1003·3	1003·3
18	1003·8	1003·7	1003·7	1003·6	1003·6
19	1004·2	1004·2	1004·1	1004·1	1004·0
20	1004·7	1004·7	1004·6	1004·6	1004·5
21	1005·2	1005·1	1005·1	1005·0	1004·9
22	1005·7	1005·6	1005·6	1005·5	1005·4
23	1006·2	1006·1	1005·9	1005·8	1005·7
24	1006·6	1006·5	1006·3	1006·2	1006·1
25	1007·1	1006·9	1006·7	1006·6	1006·5

21° — 25°

VOLUMES.

True per Cent.	21°	22°	23°	24°	25°
26	1007.5	1007.3	1007.2	1007.0	1006.9
27	1007.9	1007.8	1007.6	1007.5	1007.3
28	1008.4	1008.2	1008.1	1007.9	1007.7
29	1008.9	1008.7	1008.6	1008.4	1008.2
30	1009.5	1009.3	1009.1	1008.9	1008.7
31	1010.0	1009.8	1009.5	1009.3	1009.1
32	1010.5	1010.3	1010.0	1009.8	1009.5
33	1010.9	1010.7	1010.4	1010.2	1009.9
34	1011.3	1011.1	1010.8	1010.6	1010.3
35	1011.8	1011.5	1011.3	1010.9	1010.7
36	1012.2	1011.9	1011.7	1011.4	1011.1
37	1012.8	1012.5	1012.2	1011.9	1011.6
38	1013.3	1013.0	1012.7	1012.4	1012.1
39	1013.6	1013.3	1012.9	1012.6	1012.3
40	1013.8	1013.4	1013.1	1012.7	1012.4
41	1014.1	1013.7	1013.4	1013.0	1012.7
42	1014.4	1014.0	1013.7	1013.3	1013.0
43	1014.6	1014.3	1013.9	1013.6	1013.2
44	1014.9	1014.5	1014.2	1013.8	1013.5
45	1015.2	1014.8	1014.5	1014.1	1013.7
46	1015.4	1015.1	1014.7	1014.4	1014.0
47	1015.7	1015.3	1015.0	1014.6	1014.2
48	1015.9	1015.5	1015.2	1014.8	1014.4
49	1016.1	1015.7	1015.3	1014.9	1014.5
50	1016.3	1015.9	1015.5	1015.1	1014.7

21°—25°

VOLUMES.

True per Cent.	21°	22°	23°	24°	25°
51	1016.5	1016.1	1015.7	1015.3	1014.9
52	1016.8	1016.4	1015.9	1015.5	1015.1
53	1017.0	1016.6	1016.1	1015.7	1015.3
54	1017.1	1016.7	1016.2	1015.8	1015.4
55	1017.2	1016.8	1016.3	1015.9	1015.5
56	1017.3	1016.9	1016.4	1016.0	1015.6
57	1017.5	1017.1	1016.7	1016.2	1015.8
58	1017.7	1017.2	1016.8	1016.3	1015.9
59	1017.8	1017.3	1016.9	1016.4	1016.0
60	1017.9	1017.5	1017.0	1016.6	1016.2
61	1018.1	1017.6	1017.2	1016.7	1016.3
62	1018.2	1017.8	1017.3	1016.9	1016.4
63	1018.3	1017.9	1017.4	1017.0	1016.5
64	1018.4	1018.0	1017.5	1017.1	1016.6
65	1018.5	1018.1	1017.6	1017.2	1016.7
66	1018.7	1018.3	1017.8	1017.4	1016.9
67	1019.0	1018.5	1018.1	1017.6	1017.1
68	1019.0	1018.5	1018.1	1017.6	1017.1
69	1019.0	1018.5	1018.1	1017.6	1017.1
70	1019.1	1018.7	1018.2	1017.8	1017.3
71	1019.3	1018.8	1018.4	1017.9	1017.4
72	1019.4	1019.0	1018.5	1018.1	1017.6
73	1019.5	1019.0	1018.6	1018.1	1017.6
74	1019.6	1019.1	1018.7	1018.2	1017.7
75	1019.8	1019.3	1018.8	1018.3	1017.8

21°—25°

VOLUMES.

True per Cent.	21°	22°	23°	24°	25°
76	1019.9	1019.4	1018.9	1018.4	1017.9
77	1020.0	1019.5	1019.0	1018.5	1018.0
78	1020.2	1019.7	1019.2	1018.7	1018.2
79	1020.3	1019.8	1019.3	1018.8	1018.3
80	1020.5	1020.0	1019.4	1018.9	1018.4
81	1020.7	1020.2	1019.6	1019.1	1018.6
82	1020.9	1020.4	1019.8	1019.3	1018.8
83	1021.1	1020.5	1020.0	1019.4	1018.9
84	1021.2	1020.6	1020.1	1019.5	1019.0
85	1021.2	1020.6	1020.1	1019.5	1019.0
86	1021.2	1020.6	1020.1	1019.5	1019.0
87	1021.3	1020.7	1020.2	1019.6	1019.1
88	1021.4	1020.9	1020.3	1019.8	1019.3
89	1021.6	1021.0	1020.5	1019.9	1019.4
90	1021.7	1021.1	1020.6	1020.0	1019.5
91	1021.7	1021.2	1020.6	1020.1	1019.5
92	1021.8	1021.2	1020.7	1020.1	1019.6
93	1021.9	1021.3	1020.8	1020.2	1019.7
94	1022.0	1021.5	1020.9	1020.4	1019.8
95	1022.1	1021.5	1021.0	1020.4	1019.9
96	1022.2	1021.6	1021.1	1020.5	1020.0
97	1022.2	1021.7	1021.1	1020.6	1020.1
98	1022.4	1021.8	1021.3	1020.7	1020.2
99	1022.4	1021.9	1021.3	1020.8	1020.2
100	1022.5	1022.0	1021.4	1020.9	1020.3

26°—30°

VOLUMES.

True per Cent.	26°	27°	28°	29°	30°
1	1000·5	1000·6	1000·6	1000·7	1000·8
2	1000·6	1000·6	1000·7	1000·7	1000·8
3	1000·6	1000·6	1000·7	1000·7	1000·8
4	1000·7	1000·7	1000·8	1000·8	1000·9
5	1000·7	1000·8	1000·8	1000·9	1000·9
6	1000·8	1000·9	1000·9	1001·0	1001·0
7	1000·9	1001·0	1001·0	1001·1	1001·1
8	1001·1	1001·1	1001·2	1001·2	1001·2
9	1001·2	1001·3	1001·3	1001·4	1001·4
10	1001·4	1001·4	1001·5	1001·5	1001·5
11	1001·6	1001·6	1001·6	1001·7	1001·7
12	1001·8	1001·8	1001·9	1001·9	1001·9
13	1002·1	1002·1	1002·1	1002·1	1002·1
14	1002·3	1002·3	1002·3	1002·3	1002·3
15	1002·6	1002·6	1002·5	1002·5	1002·5
16	1002·9	1002·9	1002·8	1002·8	1002·8
17	1003·3	1003·2	1003·2	1003·1	1003·1
18	1003·6	1003·5	1003·5	1003·4	1003·4
19	1003·9	1003·9	1003·8	1003·8	1003·7
20	1004·4	1004·3	1004·3	1004·2	1004·1
21	1004·8	1004·7	1004·7	1004·6	1004·5
22	1005·3	1005·2	1005·1	1005·0	1004·9
23	1005·6	1005·5	1005·4	1005·3	1005·2
24	1006·0	1005·8	1005·7	1005·5	1005·4
25	1006·3	1006·2	1006·0	1005·9	1005·7

26°—30°

VOLUMES.

True per Cent.	26°	27°	28°	29°	30°
26	1006.7	1006.6	1006.4	1006.3	1006.1
27	1007.1	1006.9	1006.8	1006.6	1006.4
28	1007.5	1007.3	1007.2	1007.0	1006.8
29	1008.0	1007.8	1007.6	1007.4	1007.2
30	1008.5	1008.3	1008.0	1007.8	1007.6
31	1008.9	1008.7	1008.4	1008.2	1008.0
32	1009.3	1009.0	1008.8	1008.5	1008.3
33	1009.6	1009.4	1009.1	1008.9	1008.6
34	1010.0	1009.8	1009.5	1009.1	1009.0
35	1010.4	1010.1	1009.9	1009.6	1009.3
36	1010.8	1010.5	1010.2	1009.9	1009.6
37	1011.3	1011.0	1010.6	1010.3	1010.0
38	1011.8	1011.5	1011.1	1010.8	1010.5
39	1012.0	1011.6	1011.3	1010.9	1010.6
40	1012.1	1011.8	1011.4	1011.1	1010.8
41	1012.4	1012.0	1011.7	1011.3	1011.0
42	1012.6	1012.3	1011.9	1011.6	1011.2
43	1012.8	1012.5	1012.1	1011.8	1011.4
44	1013.1	1012.8	1012.4	1012.1	1011.7
45	1013.3	1013.0	1012.6	1012.2	1011.9
46	1013.6	1013.2	1012.9	1012.5	1012.1
47	1013.8	1013.4	1013.1	1012.7	1012.3
48	1014.0	1013.6	1013.2	1012.8	1012.4
49	1014.1	1013.7	1013.3	1012.9	1012.5
50	1014.3	1013.9	1013.5	1013.1	1012.7

26°—30°

VOLUMES.

True per Cent.	26°	27°	28°	29°	30°
51	1014.5	1014.1	1013.6	1013.2	1012.8
52	1014.7	1014.3	1013.9	1013.5	1013.1
53	1014.9	1014.5	1014.0	1013.6	1013.2
54	1015.0	1014.6	1014.1	1013.7	1013.3
55	1015.1	1014.7	1014.2	1013.8	1013.4
56	1015.2	1014.8	1014.3	1013.9	1013.5
57	1015.4	1014.9	1014.5	1014.0	1013.6
58	1015.5	1015.1	1014.6	1014.2	1013.8
59	1015.6	1015.1	1014.6	1014.2	1013.8
60	1015.7	1015.3	1014.8	1014.4	1013.9
61	1015.9	1015.4	1015.0	1014.5	1014.1
62	1015.9	1015.5	1015.1	1014.6	1014.2
63	1016.1	1015.6	1015.2	1014.7	1014.3
64	1016.1	1015.7	1015.2	1014.8	1014.3
65	1016.2	1015.8	1015.3	1014.9	1014.4
66	1016.4	1016.0	1015.5	1015.1	1014.6
67	1016.6	1016.2	1015.7	1015.3	1014.8
68	1016.6	1016.2	1015.7	1015.3	1014.8
69	1016.6	1016.2	1015.7	1015.3	1014.8
70	1016.8	1016.3	1015.9	1015.4	1014.9
71	1016.9	1016.4	1016.0	1015.5	1015.0
72	1017.1	1016.6	1016.1	1015.6	1015.1
73	1017.1	1016.6	1016.2	1015.7	1015.2
74	1017.2	1016.7	1016.3	1015.8	1015.3
75	1017.3	1016.8	1016.4	1015.9	1015.4

26° — 30°

VOLUMES.

True per Cent.	26 °	27 °	28 °	29 °	30 °
76	1017.4	1016.9	1016.4	1015.9	1015.4
77	1017.5	1017.0	1016.5	1016.0	1015.5
78	1017.7	1017.2	1016.6	1016.1	1015.6
79	1017.8	1017.3	1016.8	1016.3	1015.8
80	1017.9	1017.4	1016.9	1016.4	1015.9
81	1018.1	1017.6	1017.0	1016.5	1016.0
82	1018.3	1017.7	1017.2	1016.6	1016.1
83	1018.4	1017.8	1017.3	1016.8	1016.3
84	1018.5	1018.0	1017.4	1016.9	1016.4
85	1018.5	1018.0	1017.4	1016.9	1016.4
86	1018.5	1018.0	1017.4	1016.9	1016.4
87	1018.6	1018.1	1017.5	1017.0	1016.5
88	1018.8	1018.2	1017.7	1017.1	1016.6
89	1018.9	1018.3	1017.8	1017.2	1016.7
90	1019.0	1018.4	1017.9	1017.3	1016.8
91	1019.0	1018.4	1017.9	1017.3	1016.8
92	1019.1	1018.5	1018.0	1017.4	1016.9
93	1019.2	1018.6	1018.1	1017.5	1017.0
94	1019.3	1018.7	1018.2	1017.6	1017.1
95	1019.3	1018.8	1018.2	1017.7	1017.1
96	1019.4	1018.9	1018.3	1017.8	1017.2
97	1019.5	1018.9	1018.4	1017.8	1017.2
98	1019.6	1019.0	1018.5	1017.9	1017.3
99	1019.6	1019.1	1018.5	1018.0	1017.4
100	1019.7	1019.1	1018.6	1018.0	1017.4

31°—35°

VOLUMES.

True per Cent.	31 °	32 °	33 °	34 °	35 °
1	1000·8	1000·8	1000·9	1000·9	1000·9
2	1000·8	1000·8	1000·9	1000·9	1000·9
3	1000·8	1000·9	1000·9	1001·0	1001·0
4	1000·9	1000·9	1001·0	1001·0	1001·0
5	1000·9	1000·9	1001·0	1001·0	1001·0
6	1001·0	1001·0	1001·1	1001·1	1001·1
7	1001·1	1001·1	1001·2	1001·2	1001·2
8	1001·2	1001·2	1001·3	1001·3	1001·3
9	1001·4	1001·4	1001·4	1001·4	1001·4
10	1001·5	1001·5	1001·5	1001·5	1001·5
11	1001·7	1001·7	1001·6	1001·6	1001·6
12	1001·9	1001·9	1001·8	1001·8	1001·8
13	1002·1	1002·1	1002·0	1002·0	1002·0
14	1002·3	1002·2	1002·2	1002·1	1002·1
15	1002·5	1002·5	1002·4	1002·4	1002·4
16	1002·8	1002·7	1002·7	1002·6	1002·6
17	1003·0	1003·0	1002·9	1002·9	1002·8
18	1003·3	1003·2	1003·2	1003·1	1003·0
19	1003·6	1003·5	1003·5	1003·4	1003·3
20	1004·0	1003·9	1003·8	1003·7	1003·6
21	1004·4	1004·3	1004·2	1004·1	1004·0
22	1004·8	1004·6	1004·5	1004·3	1004·2
23	1005·1	1004·9	1004·8	1004·6	1004·5
24	1005·3	1005·1	1005·0	1004·8	1004·7
25	1005·6	1005·4	1005·3	1005·1	1005·0

31°—35°

VOLUMES.

True per Cent.	31°	32°	33°	34°	35°
26	1005.9	1005.7	1005.6	1005.4	1005.2
27	1006.2	1006.0	1005.9	1005.7	1005.5
28	1006.6	1006.4	1006.2	1006.0	1005.8
29	1007.0	1006.8	1006.5	1006.3	1006.1
30	1007.4	1007.1	1006.9	1006.6	1006.4
31	1007.8	1007.5	1007.3	1007.0	1006.8
32	1008.1	1007.8	1007.6	1007.3	1007.1
33	1008.3	1008.1	1007.8	1007.6	1007.3
34	1008.7	1008.4	1008.2	1007.9	1007.6
35	1009.0	1008.7	1008.5	1008.2	1007.9
36	1009.3	1009.0	1008.8	1008.5	1008.2
37	1009.7	1009.4	1009.1	1008.8	1008.5
38	1010.2	1009.8	1009.5	1009.1	1008.8
39	1010.3	1009.9	1009.6	1009.2	1008.9
40	1010.5	1010.1	1009.8	1009.4	1009.1
41	1010.6	1010.3	1009.9	1009.6	1009.2
42	1010.8	1010.5	1010.1	1009.8	1009.4
43	1011.0	1010.7	1010.3	1010.0	1009.6
44	1011.3	1010.9	1010.6	1010.2	1009.8
45	1011.5	1011.1	1010.8	1010.4	1010.0
46	1011.7	1011.3	1010.9	1010.5	1010.1
47	1011.9	1011.5	1011.1	1010.7	1010.3
48	1012.0	1011.6	1011.2	1010.8	1010.4
49	1012.1	1011.7	1011.3	1010.9	1010.5
50	1012.3	1011.9	1011.4	1011.0	1010.6

31°—35°

VOLUMES.

True per Cent.	31°	32°	33°	34°	35°
51	1012.4	1012.0	1011.6	1011.2	1010.8
52	1012.7	1012.2	1011.8	1011.3	1010.9
53	1012.8	1012.4	1011.9	1011.5	1011.1
54	1012.9	1012.5	1012.0	1011.6	1011.2
55	1013.0	1012.5	1012.1	1011.6	1011.2
56	1013.1	1012.6	1012.2	1011.7	1011.3
57	1013.2	1012.7	1012.3	1011.8	1011.4
58	1013.3	1012.9	1012.4	1012.0	1011.5
59	1013.4	1012.9	1012.5	1012.0	1011.6
60	1013.5	1013.0	1012.6	1012.1	1011.7
61	1013.6	1013.2	1012.7	1012.3	1011.8
62	1013.7	1013.3	1012.8	1012.4	1011.9
63	1013.8	1013.4	1012.9	1012.5	1012.0
64	1013.8	1013.4	1012.9	1012.5	1012.0
65	1013.9	1013.5	1013.0	1012.6	1012.1
66	1014.1	1013.6	1013.2	1012.7	1012.2
67	1014.3	1013.8	1013.4	1012.9	1012.4
68	1014.3	1013.8	1013.4	1012.9	1012.4
69	1014.3	1013.8	1013.4	1012.9	1012.4
70	1014.4	1013.9	1013.5	1013.0	1012.5
71	1014.5	1014.0	1013.6	1013.1	1012.6
72	1014.6	1014.1	1013.7	1013.2	1012.7
73	1014.7	1014.2	1013.7	1013.2	1012.7
74	1014.8	1014.3	1013.8	1013.3	1012.8
75	1014.9	1014.4	1013.8	1013.3	1012.8

31° — 35°

VOLUMES.

True per Cent.	31°	32°	33°	34°	35°
76	1014.9	1014.4	1013.9	1013.4	1012.9
77	1015.0	1014.5	1014.0	1013.5	1013.0
78	1015.1	1014.6	1014.1	1013.6	1013.1
79	1015.3	1014.8	1014.2	1013.7	1013.2
80	1015.4	1014.9	1014.3	1013.8	1013.3
81	1015.5	1015.0	1014.4	1013.9	1013.4
82	1015.6	1015.1	1014.5	1014.0	1013.5
83	1015.8	1015.2	1014.7	1014.1	1013.6
84	1015.9	1015.3	1014.8	1014.2	1013.7
85	1015.9	1015.3	1014.8	1014.2	1013.7
86	1015.9	1015.3	1014.8	1014.2	1013.7
87	1016.0	1015.4	1014.9	1014.3	1013.8
88	1016.1	1015.5	1015.0	1014.4	1013.9
89	1016.1	1015.6	1015.0	1014.5	1013.9
90	1016.2	1015.7	1015.1	1014.6	1014.0
91	1016.3	1015.7	1015.2	1014.6	1014.1
92	1016.3	1015.8	1015.2	1014.7	1014.1
93	1016.4	1015.9	1015.3	1014.8	1014.2
94	1016.5	1016.0	1015.4	1014.9	1014.3
95	1016.5	1016.0	1015.4	1014.9	1014.3
96	1016.6	1016.1	1015.5	1015.0	1014.4
97	1016.6	1016.1	1015.5	1015.0	1014.4
98	1016.7	1016.2	1015.6	1015.1	1014.5
99	1016.8	1016.2	1015.7	1015.1	1014.5
100	1016.8	1016.3	1015.7	1015.2	1014.6

36°—40°

VOLUMES.

True per Cent.	36°	37°	38°	39°	40°
1	1000.9	1000.9	1000.9	1000.9	1000.9
2	1000.9	1000.9	1000.9	1000.9	1000.9
3	1001.0	1001.0	1001.0	1001.0	1001.0
4	1001.0	1001.0	1001.0	1001.0	1001.0
5	1001.0	1001.0	1001.0	1001.0	1001.0
6	1001.1	1001.1	1001.1	1001.1	1001.1
7	1001.2	1001.2	1001.1	1001.1	1001.1
8	1001.3	1001.3	1001.2	1001.2	1001.2
9	1001.4	1001.4	1001.3	1001.3	1001.3
10	1001.5	1001.5	1001.4	1001.4	1001.4
11	1001.6	1001.6	1001.5	1001.5	1001.5
12	1001.8	1001.7	1001.7	1001.6	1001.6
13	1002.0	1001.9	1001.9	1001.8	1001.8
14	1002.1	1002.0	1002.0	1001.9	1001.9
15	1002.3	1002.2	1002.2	1002.1	1002.0
16	1002.5	1002.4	1002.4	1002.3	1002.2
17	1002.7	1002.6	1002.6	1002.5	1002.4
18	1002.9	1002.8	1002.8	1002.7	1002.6
19	1003.2	1003.1	1003.0	1002.9	1002.8
20	1003.5	1003.4	1003.3	1003.2	1003.1
21	1003.9	1003.7	1003.6	1003.4	1003.3
22	1004.1	1004.0	1003.8	1003.7	1003.6
23	1004.3	1004.2	1004.0	1003.9	1003.7
24	1004.5	1004.4	1004.2	1004.1	1004.0
25	1004.8	1004.6	1004.5	1004.3	1004.1

36°—40°

VOLUMES.

True per Cent.	36°	37°	38°	39°	40°
26	1005.0	1004.8	1004.7	1004.5	1004.3
27	1005.3	1005.1	1005.0	1004.8	1004.6
28	1005.6	1005.4	1005.2	1005.0	1004.8
29	1005.9	1005.7	1005.4	1005.2	1005.0
30	1006.2	1006.0	1005.7	1005.5	1005.3
31	1006.5	1006.3	1006.0	1005.8	1005.5
32	1006.8	1006.5	1006.3	1006.0	1005.7
33	1007.0	1006.8	1006.5	1006.3	1006.0
34	1007.3	1007.0	1006.8	1006.5	1006.2
35	1007.6	1007.3	1007.0	1006.7	1006.4
36	1007.9	1007.6	1007.2	1006.9	1006.6
37	1008.2	1007.9	1007.5	1007.2	1006.9
38	1008.5	1008.1	1007.8	1007.4	1007.1
39	1008.6	1008.2	1007.9	1007.5	1007.2
40	1008.7	1008.4	1008.0	1007.7	1007.3
41	1008.9	1008.5	1008.2	1007.8	1007.5
42	1009.0	1008.7	1008.3	1008.0	1007.6
43	1009.2	1008.9	1008.5	1008.2	1007.8
44	1009.4	1009.0	1008.7	1008.3	1007.9
45	1009.6	1009.2	1008.8	1008.4	1008.0
46	1009.7	1009.3	1009.0	1008.6	1008.2
47	1009.9	1009.5	1009.1	1008.7	1008.3
48	1010.0	1009.6	1009.2	1008.8	1008.4
49	1010.1	1009.7	1009.3	1008.9	1008.5
50	1010.2	1009.8	1009.4	1009.0	1008.6

36°—40°

VOLUMES.

True per Cent.	36°	37°	38°	39°	40°
51	1010·4	1010·0	1009·5	1009·1	1008·7
52	1010·5	1010·1	1009·6	1009·2	1008·8
53	1010·7	1010·2	1009·8	1009·3	1008·9
54	1010·8	1010·3	1009·9	1009·4	1009·0
55	1010·8	1010·4	1009·9	1009·5	1009·1
56	1010·9	1010·4	1010·0	1009·5	1009·1
57	1011·0	1010·5	1010·1	1009·6	1009·2
58	1011·1	1010·6	1010·2	1009·7	1009·3
59	1011·1	1010·7	1010·2	1009·8	1009·3
60	1011·2	1010·8	1010·3	1009·9	1009·4
61	1011·3	1010·9	1010·4	1010·0	1009·5
62	1011·4	1011·0	1010·5	1010·1	1009·6
63	1011·5	1011·0	1010·6	1010·1	1009·6
64	1011·5	1011·1	1010·6	1010·2	1009·7
65	1011·6	1011·1	1010·7	1010·2	1009·7
66	1011·7	1011·2	1010·8	1010·3	1009·8
67	1011·9	1011·4	1010·9	1010·4	1009·9
68	1011·9	1011·4	1011·0	1010·5	1010·0
69	1011·9	1011·4	1011·0	1010·5	1010·0
70	1012·0	1011·5	1011·1	1010·6	1010·1
71	1012·1	1011·6	1011·1	1010·6	1010·1
72	1012·2	1011·7	1011·2	1010·7	1010·2
73	1012·2	1011·7	1011·2	1010·7	1010·2
74	1012·3	1011·8	1011·3	1010·8	1010·3
75	1012·3	1011·8	1011·3	1010·8	1010·3

36°—40°

VOLUMES.

True per Cent.	36°	37°	38°	39°	40°
76	1012.4	1011.9	1011.4	1010.9	1010.4
77	1012.5	1012.0	1011.5	1011.0	1010.5
78	1012.6	1012.1	1011.5	1011.0	1010.5
79	1012.7	1012.2	1011.6	1011.1	1010.6
80	1012.8	1012.3	1011.7	1011.2	1010.7
81	1012.9	1012.4	1011.8	1011.3	1010.8
82	1013.0	1012.4	1011.9	1011.3	1010.8
83	1013.1	1012.5	1012.0	1011.4	1010.9
84	1013.2	1012.6	1012.1	1011.5	1011.0
85	1013.2	1012.6	1012.1	1011.5	1011.0
86	1013.2	1012.6	1012.1	1011.5	1011.0
87	1013.3	1012.7	1012.2	1011.6	1011.1
88	1013.3	1012.8	1012.2	1011.7	1011.1
89	1013.4	1012.8	1012.3	1011.7	1011.2
90	1013.5	1012.9	1012.4	1011.8	1011.3
91	1013.5	1013.0	1012.4	1011.9	1011.3
92	1013.5	1013.0	1012.4	1011.9	1011.3
93	1013.6	1013.1	1012.5	1012.0	1011.4
94	1013.7	1013.2	1012.6	1012.1	1011.5
95	1013.7	1013.2	1012.6	1012.1	1011.5
96	1013.8	1013.3	1012.7	1012.2	1011.6
97	1013.8	1013.3	1012.7	1012.2	1011.6
98	1013.9	1013.4	1012.8	1012.3	1011.7
99	1013.9	1013.4	1012.8	1012.3	1011.7
100	1014.0	1013.5	1012.9	1012.4	1011.8

41°—45°

VOLUMES.

True per Cent.	41°	42°	43°	44°	45°
1	1000.9	1000.9	1000.8	1000.8	1000.8
2	1000.9	1000.9	1000.9	1000.9	1000.9
3	1001.0	1001.0	1000.9	1000.9	1000.9
4	1001.0	1001.0	1000.9	1000.9	1000.9
5	1001.0	1001.0	1000.9	1000.9	1000.9
6	1001.1	1001.0	1001.0	1000.9	1000.9
7	1001.1	1001.1	1001.0	1001.0	1001.0
8	1001.2	1001.2	1001.1	1001.1	1001.1
9	1001.3	1001.2	1001.2	1001.1	1001.1
10	1001.4	1001.3	1001.3	1001.2	1001.2
11	1001.5	1001.4	1001.4	1001.3	1001.3
12	1001.6	1001.5	1001.5	1001.4	1001.4
13	1001.7	1001.7	1001.6	1001.6	1001.5
14	1001.8	1001.8	1001.7	1001.7	1001.6
15	1001.9	1001.9	1001.8	1001.8	1001.7
16	1002.1	1002.0	1002.0	1001.9	1001.8
17	1002.3	1002.2	1002.1	1002.0	1001.9
18	1002.5	1002.4	1002.3	1002.2	1002.1
19	1002.7	1002.6	1002.4	1002.3	1002.2
20	1003.0	1002.8	1002.7	1002.5	1002.4
21	1003.2	1003.0	1002.9	1002.7	1002.6
22	1003.4	1003.3	1003.1	1003.0	1002.8
23	1003.5	1003.4	1003.2	1003.1	1002.9
24	1003.7	1003.6	1003.4	1003.3	1003.1
25	1003.9	1003.7	1003.6	1003.4	1003.2

41°—45°

VOLUMES.

True per Cent.	41°	42°	43°	44°	45°
26	1004.1	1003.9	1003.7	1003.5	1003.3
27	1004.4	1004.2	1003.9	1003.7	1003.5
28	1004.6	1004.4	1004.1	1003.9	1003.7
29	1004.8	1004.5	1004.3	1004.0	1003.8
30	1005.0	1004.8	1004.5	1004.3	1004.0
31	1005.2	1005.0	1004.7	1004.5	1004.2
32	1005.4	1005.2	1004.9	1004.7	1004.4
33	1005.7	1005.4	1005.1	1004.8	1004.5
34	1005.9	1005.6	1005.3	1005.0	1004.7
35	1006.1	1005.8	1005.5	1005.2	1004.9
36	1006.3	1006.0	1005.6	1005.3	1005.0
37	1006.6	1006.2	1005.9	1005.5	1005.2
38	1006.8	1006.4	1006.1	1005.7	1005.4
39	1006.9	1006.5	1006.2	1005.8	1005.5
40	1007.0	1006.6	1006.3	1005.9	1005.6
41	1007.1	1006.8	1006.4	1006.1	1005.7
42	1007.2	1006.9	1006.5	1006.2	1005.8
43	1007.4	1007.0	1006.7	1006.3	1005.9
44	1007.5	1007.1	1006.8	1006.4	1006.0
45	1007.6	1007.2	1006.9	1006.5	1006.1
46	1007.8	1007.4	1007.0	1006.6	1006.2
47	1007.9	1007.5	1007.1	1006.7	1006.3
48	1008.0	1007.6	1007.1	1006.7	1006.3
49	1008.1	1007.7	1007.2	1006.8	1006.4
50	1008.2	1007.8	1007.3	1006.9	1006.5

41°—45°

VOLUMES.

True per Cent.	41°	42°	43°	44°	45°
51	1008.3	1007.8	1007.4	1006.9	1006.5
52	1008.4	1008.0	1007.5	1007.1	1006.7
53	1008.5	1008.0	1007.6	1007.1	1006.7
54	1008.6	1008.1	1007.7	1007.2	1006.8
55	1008.6	1008.2	1007.7	1007.3	1006.8
56	1008.7	1008.2	1007.8	1007.3	1006.9
57	1008.7	1008.3	1007.8	1007.4	1006.9
58	1008.8	1008.4	1007.9	1007.5	1007.0
59	1008.8	1008.4	1007.9	1007.5	1007.0
60	1008.9	1008.5	1008.0	1007.6	1007.1
61	1009.0	1008.6	1008.1	1007.7	1007.2
62	1009.1	1008.6	1008.2	1007.7	1007.2
63	1009.1	1008.7	1008.2	1007.8	1007.3
64	1009.2	1008.7	1008.3	1007.8	1007.3
65	1009.2	1008.7	1008.3	1007.8	1007.3
66	1009.3	1008.8	1008.4	1007.9	1007.4
67	1009.4	1008.9	1008.5	1008.0	1007.5
68	1009.5	1009.0	1008.5	1008.0	1007.5
69	1009.5	1009.0	1008.5	1008.0	1007.5
70	1009.6	1009.1	1008.6	1008.1	1007.6
71	1009.6	1009.1	1008.6	1008.1	1007.6
72	1009.7	1009.2	1008.7	1008.2	1007.7
73	1009.7	1009.2	1008.7	1008.2	1007.7
74	1009.8	1009.3	1008.8	1008.3	1007.8
75	1009.8	1009.3	1008.8	1008.3	1007.8

41°—45°

VOLUMES.

True per Cent.	41°	42°	43°	44°	45°
76	1009.9	1009.4	1008.8	1008.3	1007.8
77	1010.0	1009.5	1008.9	1008.4	1007.9
78	1010.0	1009.5	1008.9	1008.4	1007.9
79	1010.1	1009.6	1009.0	1008.5	1008.0
80	1010.2	1009.6	1009.1	1008.5	1008.0
81	1010.3	1009.7	1009.2	1008.6	1008.1
82	1010.3	1009.7	1009.2	1008.6	1008.1
83	1010.4	1009.8	1009.3	1008.7	1008.2
84	1010.5	1009.9	1009.4	1008.8	1008.3
85	1010.5	1009.9	1009.4	1008.8	1008.3
86	1010.5	1009.9	1009.4	1008.8	1008.3
87	1010.5	1010.0	1009.4	1008.9	1008.3
88	1010.6	1010.0	1009.5	1008.9	1008.4
89	1010.6	1010.1	1009.5	1009.0	1008.4
90	1010.7	1010.2	1009.6	1009.1	1008.5
91	1010.7	1010.2	1009.6	1009.1	1008.5
92	1010.8	1010.2	1009.7	1009.1	1008.6
93	1010.8	1010.3	1009.7	1009.2	1008.6
94	1010.9	1010.3	1009.8	1009.2	1008.6
95	1010.9	1010.4	1009.8	1009.3	1008.7
96	1011.0	1010.4	1009.9	1009.3	1008.7
97	1011.0	1010.5	1009.9	1009.4	1008.8
98	1011.1	1010.5	1010.0	1009.4	1008.8
99	1011.1	1010.5	1010.0	1009.4	1008.8
100	1011.2	1010.6	1010.1	1009.5	1008.9

46° — 50°

VOLUMES.

True per Cent.	46°	47°	48°	49°	50°
1	1000.8	1000.8	1000.7	1000.7	1000.7
2	1000.9	1000.8	1000.8	1000.7	1000.7
3	1000.9	1000.8	1000.8	1000.7	1000.7
4	1000.9	1000.8	1000.8	1000.7	1000.7
5	1000.9	1000.8	1000.8	1000.7	1000.7
6	1000.9	1000.8	1000.8	1000.7	1000.7
7	1001.0	1000.9	1000.9	1000.8	1000.8
8	1001.0	1001.0	1000.9	1000.9	1000.8
9	1001.0	1001.0	1000.9	1000.9	1000.8
10	1001.1	1001.1	1001.0	1001.0	1000.9
11	1001.2	1001.1	1001.1	1001.0	1000.9
12	1001.3	1001.2	1001.2	1001.1	1001.0
13	1001.4	1001.3	1001.3	1001.2	1001.1
14	1001.5	1001.4	1001.3	1001.2	1001.1
15	1001.6	1001.5	1001.4	1001.3	1001.2
16	1001.7	1001.6	1001.5	1001.4	1001.3
17	1001.8	1001.7	1001.6	1001.5	1001.4
18	1002.0	1001.9	1001.7	1001.6	1001.5
19	1002.1	1002.0	1001.8	1001.7	1001.6
20	1002.3	1002.1	1002.0	1001.8	1001.7
21	1002.4	1002.3	1002.1	1002.0	1001.8
22	1002.6	1002.5	1002.3	1002.2	1002.0
23	1002.7	1002.5	1002.4	1002.2	1002.0
24	1002.9	1002.7	1002.5	1002.3	1002.1
25	1003.0	1002.8	1002.6	1002.4	1002.2

46°—50

VOLUMES.

True per Cent.	46°	47°	48°	49°	50°
26	1003·1	1002·9	1002·7	1002·5	1002·3
27	1003·3	1003·1	1002·8	1002·6	1002·4
28	1003·5	1003·2	1003·0	1002·7	1002·5
29	1003·6	1003·3	1003·1	1002·8	1002·6
30	1003·7	1003·5	1003·2	1003·0	1002·7
31	1003·9	1003·7	1003·4	1003·2	1002·9
32	1004·1	1003·8	1003·6	1003·3	1003·0
33	1004·2	1003·9	1003·7	1003·4	1003·1
34	1004·4	1004·1	1003·8	1003·5	1003·2
35	1004·6	1004·3	1003·9	1003·6	1003·3
36	1004·7	1004·4	1004·0	1003·7	1003·4
37	1004·9	1004·5	1004·2	1003·8	1003·5
38	1005·0	1004·7	1004·3	1004·0	1003·6
39	1005·1	1004·8	1004·4	1004·1	1003·7
40	1005·2	1004·8	1004·5	1004·1	1003·7
41	1005·3	1004·9	1004·6	1004·2	1003·8
42	1005·4	1005·0	1004·7	1004·3	1003·9
43	1005·5	1005·1	1004·8	1004·4	1004·0
44	1005·6	1005·2	1004·8	1004·4	1004·0
45	1005·7	1005·3	1004·9	1004·5	1004·1
46	1005·8	1005·4	1004·9	1004·5	1004·1
47	1005·9	1005·5	1005·0	1004·6	1004·2
48	1005·9	1005·5	1005·1	1004·7	1004·3
49	1006·0	1005·6	1005·1	1004·7	1004·3
50	1006·1	1005·6	1005·2	1004·7	1004·3

46°—50°

VOLUMES.

True per Cent.	46°	47°	48°	49°	50°
51	1006.1	1005.7	1005.2	1004.8	1004.4
52	1006.3	1005.8	1005.4	1004.9	1004.5
53	1006.3	1005.8	1005.4	1004.9	1004.5
54	1006.4	1005.9	1005.5	1005.0	1004.6
55	1006.4	1005.9	1005.5	1005.0	1004.6
56	1006.4	1006.0	1005.5	1005.1	1004.6
57	1006.4	1006.0	1005.5	1005.1	1004.6
58	1006.5	1006.1	1005.6	1005.2	1004.7
59	1006.5	1006.1	1005.6	1005.2	1004.7
60	1006.6	1006.2	1005.7	1005.3	1004.8
61	1006.7	1006.2	1005.8	1005.3	1004.8
62	1006.7	1006.2	1005.8	1005.3	1004.8
63	1006.8	1006.3	1005.9	1005.4	1004.9
64	1006.8	1006.3	1005.9	1005.4	1004.9
65	1006.8	1006.3	1005.9	1005.4	1004.9
66	1006.9	1006.4	1006.0	1005.5	1005.0
67	1007.0	1006.5	1006.0	1005.5	1005.0
68	1007.0	1006.5	1006.0	1005.5	1005.0
69	1007.0	1006.5	1006.1	1005.6	1005.1
70	1007.1	1006.6	1006.1	1005.6	1005.1
71	1007.1	1006.6	1006.1	1005.6	1005.1
72	1007.2	1006.7	1006.2	1005.6	1005.1
73	1007.2	1006.7	1006.2	1005.7	1005.2
74	1007.3	1006.8	1006.2	1005.7	1005.2
75	1007.3	1006.8	1006.2	1005.7	1005.2

46°—50°

VOLUMES.

True per Cent.	46°	47°	48°	49°	50°
76	1007.3	1006.8	1006.3	1005.8	1005.3
77	1007.4	1006.9	1006.3	1005.8	1005.3
78	1007.4	1006.9	1006.3	1005.8	1005.3
79	1007.5	1007.0	1006.4	1005.9	1005.4
80	1007.5	1007.0	1006.4	1005.9	1005.4
81	1007.6	1007.0	1006.5	1005.9	1005.4
82	1007.6	1007.1	1006.5	1006.0	1005.5
83	1007.7	1007.1	1006.6	1006.0	1005.5
84	1007.7	1007.2	1006.6	1006.1	1005.5
85	1007.7	1007.2	1006.6	1006.1	1005.5
86	1007.8	1007.2	1006.7	1006.1	1005.6
87	1007.8	1007.2	1006.7	1006.1	1005.6
88	1007.8	1007.3	1006.7	1006.2	1005.6
89	1007.8	1007.3	1006.7	1006.2	1005.6
90	1007.9	1007.4	1006.8	1006.3	1005.7
91	1007.9	1007.4	1006.8	1006.3	1005.7
92	1008.0	1007.4	1006.9	1006.3	1005.7
93	1008.0	1007.4	1006.9	1006.3	1005.7
94	1008.0	1007.5	1006.9	1006.4	1005.8
95	1008.1	1007.5	1007.0	1006.4	1005.8
96	1008.1	1007.5	1007.0	1006.4	1005.8
97	1008.2	1007.6	1007.1	1006.5	1005.9
98	1008.2	1007.6	1007.1	1006.5	1005.9
99	1008.2	1007.6	1007.1	1006.5	1005.9
100	1008.3	1007.7	1007.2	1006.6	1006.0

51°—55°

VOLUMES.

True per Cent.	51°	52°	53°	54°	55°
1	1000·6	1000·6	1000·5	1000·5	1000·4
2	1000·6	1000·6	1000·5	1000·5	1000·4
3	1000·6	1000·6	1000·5	1000·5	1000·4
4	1000·6	1000·6	1000·5	1000·5	1000·4
5	1000·6	1000·6	1000·5	1000·5	1000·4
6	1000·6	1000·6	1000·5	1000·5	1000·4
7	1000·7	1000·6	1000·6	1000·5	1000·4
8	1000·7	1000·7	1000·6	1000·6	1000·5
9	1000·7	1000·7	1000·6	1000·6	1000·5
10	1000·8	1000·7	1000·7	1000·6	1000·5
11	1000·8	1000·7	1000·7	1000·6	1000·5
12	1000·9	1000·8	1000·7	1000·6	1000·5
13	1001·0	1000·9	1000·8	1000·7	1000·6
14	1001·0	1000·9	1000·8	1000·7	1000·6
15	1001·1	1001·0	1000·8	1000·7	1000·6
16	1001·2	1001·1	1000·9	1000·8	1000·7
17	1001·3	1001·1	1001·0	1000·8	1000·7
18	1001·4	1001·2	1001·1	1000·9	1000·8
19	1001·4	1001·3	1001·1	1001·0	1000·8
20	1001·5	1001·4	1001·2	1001·1	1000·9
21	1001·6	1001·5	1001·3	1001·2	1001·0
22	1001·8	1001·6	1001·4	1001·2	1001·0
23	1001·8	1001·6	1001·5	1001·3	1001·1
24	1001·9	1001·7	1001·5	1001·3	1001·1
25	1002·0	1001·8	1001·5	1001·3	1001·1

51°—55°

VOLUMES.

True per Cent.	51°	52°	53°	54°	55°
26	1002.1	1001.9	1001.6	1001.4	1001.2
27	1002.2	1001.9	1001.7	1001.4	1001.2
28	1002.3	1002.0	1001.8	1001.5	1001.3
29	1002.3	1002.1	1001.8	1001.6	1001.3
30	1002.4	1002.2	1001.9	1001.7	1001.4
31	1002.6	1002.3	1002.0	1001.7	1001.4
32	1002.7	1002.4	1002.1	1001.8	1001.5
33	1002.8	1002.5	1002.1	1001.8	1001.5
34	1002.9	1002.6	1002.2	1001.9	1001.6
35	1003.0	1002.7	1002.3	1002.0	1001.7
36	1003.1	1002.7	1002.4	1002.0	1001.7
37	1003.2	1002.8	1002.5	1002.1	1001.8
38	1003.3	1002.9	1002.6	1002.2	1001.9
39	1003.3	1003.0	1002.6	1002.3	1001.9
40	1003.3	1003.0	1002.6	1002.3	1001.9
41	1003.4	1003.0	1002.7	1002.3	1001.9
42	1003.5	1003.1	1002.8	1002.4	1002.0
43	1003.6	1003.2	1002.8	1002.4	1002.0
44	1003.6	1003.2	1002.8	1002.4	1002.0
45	1003.7	1003.3	1002.9	1002.5	1002.1
46	1003.7	1003.3	1002.9	1002.5	1002.1
47	1003.8	1003.4	1002.9	1002.5	1002.1
48	1003.9	1003.4	1003.0	1002.5	1002.1
49	1003.9	1003.5	1003.0	1002.6	1002.2
50	1003.9	1003.5	1003.0	1002.6	1002.2

51°—55°

VOLUMES.

True per Cent.	51°	52°	53°	54°	55°
51	1004.0	1003.5	1003.1	1002.6	1002.2
52	1004.0	1003.6	1003.1	1002.7	1002.2
53	1004.1	1003.6	1003.2	1002.7	1002.3
54	1004.1	1003.7	1003.2	1002.8	1002.3
55	1004.1	1003.7	1003.2	1002.8	1002.3
56	1004.1	1003.7	1003.2	1002.8	1002.3
57	1004.1	1003.7	1003.2	1002.8	1002.3
58	1004.2	1003.8	1003.3	1002.9	1002.4
59	1004.2	1003.8	1003.3	1002.9	1002.4
60	1004.3	1003.8	1003.4	1002.9	1002.4
61	1004.3	1003.8	1003.4	1002.9	1002.4
62	1004.3	1003.8	1003.4	1002.9	1002.4
63	1004.4	1003.9	1003.4	1002.9	1002.4
64	1004.4	1003.9	1003.5	1003.0	1002.5
65	1004.4	1003.9	1003.5	1003.0	1002.5
66	1004.5	1004.0	1003.5	1003.0	1002.5
67	1004.5	1004.0	1003.5	1003.0	1002.5
68	1004.5	1004.0	1003.5	1003.0	1002.5
69	1004.6	1004.1	1003.5	1003.0	1002.5
70	1004.6	1004.1	1003.6	1003.1	1002.6
71	1004.6	1004.1	1003.6	1003.1	1002.6
72	1004.6	1004.1	1003.6	1003.1	1002.6
73	1004.7	1004.2	1003.6	1003.1	1002.6
74	1004.7	1004.2	1003.6	1003.1	1002.6
75	1004.7	1004.2	1003.6	1003.1	1002.6

51°—55°

VOLUMES.

True per Cent.	51°	52°	53°	54°	55°
76	1004.8	1004.2	1003.7	1003.1	1002.6
77	1004.8	1004.3	1003.7	1003.2	1002.7
78	1004.8	1004.3	1003.7	1003.2	1002.7
79	1004.9	1004.3	1003.8	1003.2	1002.7
80	1004.9	1004.3	1003.8	1003.2	1002.7
81	1004.9	1004.3	1003.8	1003.2	1002.7
82	1004.9	1004.3	1003.8	1003.3	1002.7
83	1005.0	1004.4	1003.9	1003.3	1002.8
84	1005.0	1004.4	1003.9	1003.3	1002.8
85	1005.0	1004.4	1003.9	1003.3	1002.8
86	1005.0	1004.5	1003.9	1003.4	1002.8
87	1005.0	1004.5	1003.9	1003.4	1002.8
88	1005.0	1004.5	1003.9	1003.4	1002.8
89	1005.0	1004.5	1003.9	1003.4	1002.8
90	1005.1	1004.5	1004.0	1003.4	1002.8
91	1005.1	1004.6	1004.0	1003.5	1002.9
92	1005.1	1004.6	1004.0	1003.5	1002.9
93	1005.1	1004.6	1004.0	1003.5	1002.9
94	1005.2	1004.6	1004.1	1003.5	1002.9
95	1005.2	1004.6	1004.1	1003.5	1002.9
96	1005.2	1004.6	1004.1	1003.5	1002.9
97	1005.3	1004.7	1004.1	1003.5	1002.9
98	1005.3	1004.7	1004.2	1003.6	1003.0
99	1005.3	1004.7	1004.2	1003.6	1003.0
100	1005.4	1004.8	1004.2	1003.6	1003.0

56°—60°

VOLUMES.

True per Cent.	56°	57°	58°	59°	60°
1	1000·3	1000·2	1000·2	1000·1	1000·0
2	1000·3	1000·2	1000·2	1000·1	1000·0
3	1000·3	1000·2	1000·2	1000·1	1000·0
4	1000·3	1000·2	1000·2	1000·1	1000·0
5	1000·3	1000·2	1000·2	1000·1	1000·0
6	1000·3	1000·2	1000·2	1000·1	1000·0
7	1000·3	1000·2	1000·2	1000·1	1000·0
8	1000·4	1000·3	1000·2	1000·1	1000·0
9	1000·4	1000·3	1000·2	1000·1	1000·0
10	1000·4	1000·3	1000·2	1000·1	1000·0
11	1000·4	1000·3	1000·2	1000·1	1000·0
12	1000·4	1000·3	1000·2	1000·1	1000·0
13	1000·5	1000·4	1000·2	1000·1	1000·0
14	1000·5	1000·4	1000·2	1000·1	1000·0
15	1000·5	1000·4	1000·2	1000·1	1000·0
16	1000·6	1000·4	1000·3	1000·1	1000·0
17	1000·6	1000·4	1000·3	1000·1	1000·0
18	1000·6	1000·5	1000·3	1000·1	1000·0
19	1000·6	1000·5	1000·3	1000·1	1000·0
20	1000·7	1000·5	1000·4	1000·2	1000·0
21	1000·8	1000·6	1000·4	1000·2	1000·0
22	1000·8	1000·6	1000·4	1000·2	1000·0
23	1000·9	1000·7	1000·4	1000·2	1000·0
24	1000·9	1000·7	1000·4	1000·2	1000·0
25	1000·9	1000·7	1000·4	1000·2	1000·0

56°—60°

VOLUMES.

True per Cent.	56°	57°	58°	59°	60°
26	1001.0	1000.7	1000.5	1000.2	1000.0
27	1001.0	1000.7	1000.5	1000.2	1000.0
28	1001.0	1000.8	1000.5	1000.3	1000.0
29	1001.0	1000.8	1000.5	1000.3	1000.0
30	1001.1	1000.8	1000.6	1000.3	1000.0
31	1001.1	1000.8	1000.6	1000.3	1000.0
32	1001.2	1000.9	1000.6	1000.3	1000.0
33	1001.2	1000.9	1000.6	1000.3	1000.0
34	1001.3	1001.0	1000.6	1000.3	1000.0
35	1001.4	1001.0	1000.7	1000.3	1000.0
36	1001.4	1001.0	1000.7	1000.3	1000.0
37	1001.4	1001.1	1000.7	1000.4	1000.0
38	1001.5	1001.1	1000.8	1000.4	1000.0
39	1001.5	1001.1	1000.8	1000.4	1000.0
40	1001.5	1001.1	1000.8	1000.4	1000.0
41	1001.5	1001.1	1000.8	1000.4	1000.0
42	1001.6	1001.2	1000.8	1000.4	1000.0
43	1001.6	1001.2	1000.8	1000.4	1000.0
44	1001.6	1001.2	1000.8	1000.4	1000.0
45	1001.7	1001.3	1000.8	1000.4	1000.0
46	1001.7	1001.3	1000.8	1000.4	1000.0
47	1001.7	1001.3	1000.8	1000.4	1000.0
48	1001.7	1001.3	1000.8	1000.4	1000.0
49	1001.8	1001.3	1000.9	1000.4	1000.0
50	1001.8	1001.3	1000.9	1000.4	1000.0

56°—60°

VOLUMES.

True per Cent.	56°	57°	58°	59°	60°
51	1001·8	1001·3	1000·9	1000·4	1000·0
52	1001·8	1001·3	1000·9	1000·4	1000·0
53	1001·8	1001·4	1000·9	1000·5	1000·0
54	1001·8	1001·4	1000·9	1000·5	1000·0
55	1001·8	1001·4	1000·9	1000·5	1000·0
56	1001·8	1001·4	1000·9	1000·5	1000·0
57	1001·8	1001·4	1000·9	1000·5	1000·0
58	1001·9	1001·4	1001·0	1000·5	1000·0
59	1001·9	1001·4	1001·0	1000·5	1000·0
60	1001·9	1001·4	1001·0	1000·5	1000·0
61	1001·9	1001·4	1001·0	1000·5	1000·0
62	1001·9	1001·4	1001·0	1000·5	1000·0
63	1001·9	1001·4	1001·0	1000·5	1000·0
64	1002·0	1001·5	1001·0	1000·5	1000·0
65	1002·0	1001·5	1001·0	1000·5	1000·0
66	1002·0	1001·5	1001·0	1000·5	1000·0
67	1002·0	1001·5	1001·0	1000·5	1000·0
68	1002·0	1001·5	1001·0	1000·5	1000·0
69	1002·0	1001·5	1001·0	1000·5	1000·0
70	1002·1	1001·6	1001·0	1000·5	1000·0
71	1002·1	1001·6	1001·0	1000·5	1000·0
72	1002·1	1001·6	1001·0	1000·5	1000·0
73	1002·1	1001·6	1001·0	1000·5	1000·0
74	1002·1	1001·6	1001·0	1000·5	1000·0
75	1002·1	1001·6	1001·0	1000·5	1000·0

56°—60°

VOLUMES.

True per Cent.	56°	57°	58°	59°	60°
76	1002.1	1001.6	1001.0	1000.5	1000.0
77	1002.2	1001.6	1001.1	1000.5	1000.0
78	1002.2	1001.6	1001.1	1000.5	1000.0
79	1002.2	1001.6	1001.1	1000.5	1000.0
80	1002.2	1001.6	1001.1	1000.5	1000.0
81	1002.2	1001.6	1001.1	1000.5	1000.0
82	1002.2	1001.6	1001.1	1000.5	1000.0
83	1002.2	1001.7	1001.1	1000.6	1000.0
84	1002.2	1001.7	1001.1	1000.6	1000.0
85	1002.2	1001.7	1001.1	1000.6	1000.0
86	1002.2	1001.7	1001.1	1000.6	1000.0
87	1002.2	1001.7	1001.1	1000.6	1000.0
88	1002.2	1001.7	1001.1	1000.6	1000.0
89	1002.2	1001.7	1001.1	1000.6	1000.0
90	1002.2	1001.7	1001.1	1000.6	1000.0
91	1002.3	1001.7	1001.2	1000.6	1000.0
92	1002.3	1001.7	1001.2	1000.6	1000.0
93	1002.3	1001.7	1001.2	1000.6	1000.0
94	1002.3	1001.7	1001.2	1000.6	1000.0
95	1002.3	1001.7	1001.2	1000.6	1000.0
96	1002.3	1001.7	1001.2	1000.6	1000.0
97	1002.3	1001.7	1001.2	1000.6	1000.0
98	1002.4	1001.8	1001.2	1000.6	1000.0
99	1002.4	1001.8	1001.2	1000.6	1000.0
100	1002.4	1001.8	1001.2	1000.6	1000.0

61°—65°

VOLUMES.

True per Cent.	61°	62°	63°	64°	65°
1	999·9	999·8	999·7	999·6	999·5
2	999·9	999·8	999·7	999·6	999·5
3	999·9	999·8	999·7	999·6	999·5
4	999·9	999·8	999·7	999·6	999·5
5	999·9	999·8	999·7	999·6	999·5
6	999·9	999·8	999·7	999·6	999·5
7	999·9	999·8	999·7	999·6	999·5
8	999·9	999·8	999·6	999·5	999·4
9	999·9	999·8	999·6	999·5	999·4
10	999·9	999·8	999·6	999·5	999·4
11	999·9	999·8	999·6	999·5	999·4
12	999·9	999·7	999·6	999·5	999·4
13	999·9	999·7	999·6	999·5	999·3
14	999·9	999·7	999·6	999·4	999·3
15	999·8	999·7	999·5	999·4	999·2
16	999·8	999·7	999·5	999·4	999·2
17	999·8	999·7	999·5	999·3	999·2
18	999·8	999·6	999·5	999·3	999·1
19	999·8	999·6	999·5	999·3	999·1
20	999·8	999·6	999·4	999·2	999·0
21	999·8	999·6	999·4	999·2	999·0
22	999·8	999·6	999·3	999·1	998·9
23	999·8	999·5	999·3	999·1	998·9
24	999·8	999·5	999·3	999·1	998·8
25	999·8	999·5	999·3	999·0	998·8

61°—65°

VOLUMES.

True per Cent.	61°	62°	63°	64°	65°
26	999·8	999·5	999·3	999·0	998·8
27	999·7	999·5	999·2	999·0	998·7
28	999·7	999·5	999·2	998·9	998·7
29	999·7	999·4	999·2	998·9	998·6
30	999·7	999·4	999·1	998·8	998·6
31	999·7	999·4	999·1	998·8	998·5
32	999·7	999·4	999·1	998·8	998·5
33	999·7	999·4	999·0	998·7	998·4
34	999·7	999·4	999·0	998·7	998·3
35	999·7	999·3	999·0	998·6	998·3
36	999·6	999·3	998·9	998·6	998·2
37	999·6	999·3	998·9	998·6	998·2
38	999·6	999·2	998·9	998·5	998·1
39	999·6	999·2	998·9	998·5	998·1
40	999·6	999·2	998·8	998·5	998·1
41	999·6	999·2	998·8	998·4	998·0
42	999·6	999·2	998·8	998·4	998·0
43	999·6	999·2	998·8	998·4	998·0
44	999·6	999·2	998·8	998·4	997·9
45	999·6	999·2	998·7	998·3	997·9
46	999·6	999·1	998·7	998·3	997·9
47	999·6	999·1	998·7	998·3	997·9
48	999·6	999·1	998·7	998·3	997·8
49	999·6	999·1	998·7	998·2	997·8
50	999·6	999·1	998·7	998·2	997·8

61°—65°

VOLUMES.

True per Cent.	61°	62°	63°	64°	65°
51	999.6	999.1	998.7	998.2	997.8
52	999.5	999.1	998.6	998.2	997.7
53	999.5	999.1	998.6	998.2	997.7
54	999.5	999.1	998.6	998.1	997.7
55	999.5	999.1	998.6	998.1	997.7
56	999.5	999.1	998.6	998.1	997.6
57	999.5	999.1	998.6	998.1	997.6
58	999.5	999.0	998.6	998.1	997.6
59	999.5	999.0	998.6	998.1	997.6
60	999.5	999.0	998.6	998.1	997.6
61	999.5	999.0	998.5	998.0	997.6
62	999.5	999.0	998.5	998.0	997.5
63	999.5	999.0	998.5	998.0	997.5
64	999.5	999.0	998.5	998.0	997.5
65	999.5	999.0	998.5	998.0	997.5
66	999.5	999.0	998.5	998.0	997.5
67	999.5	999.0	998.5	998.0	997.5
68	999.5	999.0	998.5	997.9	997.4
69	999.5	999.0	998.5	997.9	997.4
70	999.5	999.0	998.5	997.9	997.4
71	999.5	999.0	998.4	997.9	997.4
72	999.5	999.0	998.4	997.9	997.4
73	999.5	998.9	998.4	997.9	997.4
74	999.5	998.9	998.4	997.9	997.4
75	999.5	998.9	998.4	997.9	997.3

61°—65°

VOLUMES.

True per Cent.	61°	62°	63°	64°	65°
76	999.5	998.9	998.4	997.9	997.3
77	999.5	998.9	998.4	997.8	997.3
78	999.5	998.9	998.4	997.8	997.3
79	999.5	998.9	998.4	997.8	997.3
80	999.5	998.9	998.4	997.8	997.3
81	999.5	998.9	998.4	997.8	997.3
82	999.5	998.9	998.4	997.8	997.3
83	999.4	998.9	998.3	997.8	997.2
84	999.4	998.9	998.3	997.8	997.2
85	999.4	998.9	998.3	997.8	997.2
86	999.4	998.9	998.3	997.8	997.2
87	999.4	998.9	998.3	997.7	997.2
88	999.4	998.9	998.3	997.7	997.2
89	999.4	998.9	998.3	997.7	997.1
90	999.4	998.9	998.3	997.7	997.1
91	999.4	998.8	998.3	997.7	997.1
92	999.4	998.8	998.3	997.7	997.1
93	999.4	998.8	998.3	997.7	997.1
94	999.4	998.8	998.3	997.7	997.1
95	999.4	998.8	998.2	997.7	997.1
96	999.4	998.8	998.2	997.7	997.1
97	999.4	998.8	998.2	997.6	997.1
98	999.4	998.8	998.2	997.6	997.1
99	999.4	998.8	998.2	997.6	997.0
100	999.4	998.8	998.2	997.6	997.0

66°—70°

VOLUMES.

True per Cent.	66°	67°	68°	69°	70°
1	999·4	999·3	999·2	999·1	999·0
2	999·4	999·3	999·2	999·1	998·9
3	999·4	999·3	999·2	999·0	998·9
4	999·4	999·3	999·2	999·0	998·9
5	999·4	999·3	999·1	999·0	998·9
6	999·4	999·2	999·1	999·0	998·9
7	999·3	999·2	999·1	999·0	998·8
8	999·3	999·2	999·0	998·9	998·8
9	999·3	999·1	999·0	998·9	998·8
10	999·3	999·1	999·0	998·9	998·7
11	999·2	999·1	999·0	998·8	998·7
12	999·2	999·1	998·9	998·8	998·6
13	999·2	999·0	998·9	998·7	998·6
14	999·1	999·0	998·8	998·7	998·5
15	999·0	998·9	998·7	998·6	998·4
16	999·0	998·9	998·7	998·5	998·4
17	999·0	998·8	998·6	998·5	998·3
18	998·9	998·7	998·6	998·4	998·2
19	998·9	998·7	998·5	998·3	998·1
20	998·8	998·6	998·4	998·2	998·0
21	998·7	998·5	998·3	998·1	997·8
22	998·7	998·4	998·2	998·0	997·7
23	998·6	998·4	998·2	997·9	997·7
24	998·6	998·3	998·1	997·8	997·6
25	998·6	998·3	998·1	997·8	997·6

66°—70°

VOLUMES.

True per Cent.	66°	67°	68°	69°	70°
26	998.5	998.2	998.0	997.7	997.5
27	998.4	998.2	997.9	997.6	997.4
28	998.4	998.1	997.8	997.5	997.3
29	998.3	998.0	997.7	997.4	997.2
30	998.3	998.0	997.7	997.4	997.1
31	998.2	997.9	997.6	997.3	997.0
32	998.1	997.8	997.5	997.2	996.9
33	998.1	997.7	997.4	997.1	996.7
34	998.0	997.7	997.3	997.0	996.7
35	998.0	997.6	997.3	996.9	996.6
36	997.9	997.5	997.2	996.8	996.5
37	997.8	997.5	997.1	996.7	996.3
38	997.7	997.4	997.0	996.6	996.2
39	997.7	997.3	996.9	996.6	996.2
40	997.7	997.3	996.9	996.5	996.1
41	997.6	997.2	996.8	996.4	996.1
42	997.6	997.2	996.8	996.4	996.0
43	997.6	997.1	996.7	996.3	995.9
44	997.5	997.1	996.7	996.3	995.8
45	997.5	997.1	996.6	996.2	995.8
46	997.4	997.0	996.6	996.2	995.7
47	997.4	997.0	996.5	996.1	995.7
48	997.4	996.9	996.5	996.1	995.6
49	997.4	996.9	996.5	996.0	995.6
50	997.3	996.9	996.4	996.0	995.5

66°—70°

VOLUMES.

True per Cent.	66°	67°	68°	69°	70°
51	997.3	996.8	996.4	995.9	995.5
52	997.3	996.8	996.3	995.9	995.4
53	997.2	996.8	996.3	995.9	995.4
54	997.2	996.7	996.3	995.8	995.3
55	997.2	996.7	996.2	995.8	995.3
56	997.2	996.7	996.2	995.7	995.3
57	997.1	996.7	996.2	995.7	995.2
58	997.1	996.6	996.2	995.7	995.2
59	997.1	996.6	996.1	995.6	995.2
60	997.1	996.6	996.1	995.6	995.1
61	997.1	996.6	996.1	995.6	995.1
62	997.0	996.5	996.0	995.5	995.0
63	997.0	996.5	996.0	995.5	995.0
64	997.0	996.5	996.0	995.5	995.0
65	997.0	996.5	996.0	995.5	995.0
66	997.0	996.5	996.0	995.4	995.0
67	996.9	996.4	995.9	995.4	994.9
68	996.9	996.4	995.9	995.4	994.8
69	996.9	996.4	995.9	995.3	994.8
70	996.9	996.4	995.8	995.3	994.8
71	996.9	996.3	995.8	995.3	994.8
72	996.9	996.3	995.8	995.3	994.7
73	996.8	996.3	995.8	995.2	994.7
74	996.8	996.3	995.8	995.2	994.7
75	996.8	996.3	995.7	995.2	994.7

66°—70°

VOLUMES.

True per Cent.	66°	67°	68°	69°	70°
76	996.8	996.3	995.7	995.2	994.6
77	996.8	996.2	995.7	995.2	994.6
78	996.8	996.2	995.7	995.1	994.6
79	996.7	996.2	995.6	995.1	994.6
80	996.7	996.2	995.6	995.1	994.5
81	996.7	996.2	995.6	995.0	994.5
82	996.7	996.1	995.6	995.0	994.5
83	996.7	996.1	995.6	995.0	994.4
84	996.7	996.1	995.5	995.0	994.4
85	996.6	996.1	995.5	994.9	994.4
86	996.6	996.1	995.5	994.9	994.4
87	996.6	996.0	995.5	994.9	994.3
88	996.6	996.0	995.5	994.9	994.3
89	996.6	996.0	995.4	994.8	994.3
90	996.6	996.0	995.4	994.8	994.2
91	996.5	996.0	995.4	994.8	994.2
92	996.5	995.9	995.4	994.8	994.2
93	996.5	995.9	995.3	994.8	994.2
94	996.5	995.9	995.3	994.7	994.2
95	996.5	995.9	995.3	994.7	994.1
96	996.5	995.9	995.3	994.7	994.1
97	996.5	995.9	995.3	994.7	994.1
98	996.5	995.9	995.3	994.7	994.1
99	996.4	995.8	995.2	994.6	994.0
100	996.4	995.8	995.2	994.6	994.0

71°—75°

VOLUMES.

True per Cent.	71°	72°	73°	74°	75°
1	998.8	998.7	998.6	998.4	998.3
2	998.8	998.7	998.5	998.4	998.3
3	998.8	998.6	998.5	998.4	998.2
4	998.8	998.6	998.5	998.4	998.2
5	998.8	998.6	998.5	998.3	998.2
6	998.7	998.6	998.4	998.3	998.2
7	998.7	998.5	998.4	998.2	998.1
8	998.7	998.5	998.4	998.2	998.1
9	998.6	998.5	998.3	998.1	998.0
10	998.6	998.4	998.3	998.1	998.0
11	998.5	998.3	998.2	998.0	997.9
12	998.4	998.3	998.1	997.9	997.8
13	998.4	998.2	998.0	997.9	997.7
14	998.3	998.1	998.0	997.8	997.6
15	998.2	998.1	997.9	997.7	997.5
16	998.2	998.0	997.8	997.6	997.4
17	998.1	997.9	997.7	997.5	997.3
18	998.0	997.8	997.6	997.4	997.2
19	997.9	997.6	997.4	997.2	997.0
20	997.7	997.5	997.3	997.0	996.8
21	997.6	997.4	997.1	996.9	996.6
22	997.5	997.2	997.0	996.7	996.5
23	997.4	997.2	996.9	996.6	996.4
24	997.3	997.1	996.8	996.6	996.3
25	997.3	997.1	996.8	996.5	996.2

71°—75°

VOLUMES.

True per Cent.	71°	72°	73°	74°	75°
26	997.2	996.9	996.6	996.4	996.1
27	997.1	996.8	996.5	996.2	995.9
28	997.0	996.7	996.4	996.1	995.8
29	996.8	996.5	996.2	995.9	995.6
30	996.7	996.4	996.1	995.8	995.5
31	996.6	996.3	996.0	995.7	995.4
32	996.5	996.2	995.9	995.5	995.2
33	996.4	996.1	995.7	995.4	995.1
34	996.3	996.0	995.6	995.3	994.9
35	996.2	995.8	995.5	995.1	994.8
36	996.1	995.7	995.4	995.0	994.6
37	996.0	995.6	995.2	994.8	994.4
38	995.8	995.4	995.0	994.7	994.3
39	995.8	995.4	995.0	994.6	994.2
40	995.7	995.3	994.9	994.5	994.1
41	995.6	995.2	994.8	994.4	994.0
42	995.6	995.2	994.7	994.3	993.9
43	995.5	995.1	994.6	994.2	993.8
44	995.4	995.0	994.5	994.1	993.7
45	995.4	994.9	994.5	994.1	993.6
46	995.3	994.9	994.4	994.0	993.5
47	995.2	994.8	994.3	993.9	993.5
48	995.2	994.7	994.3	993.8	993.4
49	995.1	994.7	994.2	993.8	993.3
50	995.1	994.6	994.2	993.7	993.2

71°—75°

VOLUMES.

True per Cent.	71°	72°	73°	74°	75°
51	995·0	994·6	994·1	993·6	993·2
52	995·0	994·5	994·0	993·6	993·1
53	994·9	994·4	994·0	993·5	993·0
54	994·8	994·4	993·9	993·4	992·9
55	994·8	994·3	993·8	993·4	992·9
56	994·8	994·3	993·8	993·3	992·8
57	994·7	994·3	993·8	993·3	992·8
58	994·7	994·2	993·7	993·2	992·8
59	994·7	994·2	993·7	993·2	992·7
60	994·6	994·1	993·6	993·1	992·7
61	994·6	994·1	993·6	993·1	992·6
62	994·5	994·0	993·5	993·0	992·5
63	994·5	994·0	993·5	993·0	992·5
64	994·5	994·0	993·5	993·0	992·5
65	994·5	994·0	993·4	992·9	992·4
66	994·4	993·9	993·4	992·9	992·4
67	994·4	993·8	993·3	992·8	992·3
68	994·3	993·8	993·3	992·7	992·2
69	994·3	993·8	993·2	992·7	992·2
70	994·3	993·7	993·2	992·7	992·1
71	994·2	993·7	993·2	992·6	992·1
72	994·2	993·7	993·1	992·6	992·1
73	994·2	993·6	993·1	992·6	992·0
74	994·1	993·6	993·1	992·5	992·0
75	994·1	993·6	993·0	992·5	992·0

71°—75°

VOLUMES.

True per Cent.	71°	72°	73°	74°	75°
76	994·1	993·5	993·0	992·5	991·9
77	994·1	993·5	993·0	992·4	991·9
78	994·0	993·5	992·9	992·4	991·8
79	994·0	993·4	992·9	992·3	991·8
80	994·0	993·4	992·8	992·3	991·7
81	993·9	993·4	992·8	992·3	991·7
82	993·9	993·4	992·8	992·2	991·7
83	993·9	993·3	992·8	992·2	991·6
84	993·8	993·3	992·7	992·2	991·6
85	993·8	993·2	992·7	992·1	991·5
86	993·8	993·2	992·6	992·1	991·5
87	993·7	993·2	992·6	992·0	991·4
88	993·7	993·2	992·6	992·0	991·4
89	993·7	993·1	992·5	992·0	991·4
90	993·7	993·1	992·5	991·9	991·4
91	993·6	993·1	992·5	991·9	991·3
92	993·6	993·0	992·4	991·9	991·3
93	993·6	993·0	992·4	991·8	991·2
94	993·6	993·0	992·4	991·8	991·2
95	993·5	992·9	992·3	991·8	991·2
96	993·5	992·9	992·3	991·7	991·2
97	993·5	992·9	992·3	991·7	991·1
98	993·5	992·9	992·2	991·6	991·0
99	993·4	992·8	992·2	991·6	991·0
100	993·4	992·8	992·2	991·6	991·0

76°—80°

VOLUMES.

True per Cent.	76°	77°	78°	79°	80°
1	998.1	998.0	997.8	997.7	997.5
2	998.1	998.0	997.8	997.6	997.5
3	998.1	997.9	997.8	997.6	997.5
4	998.1	997.9	997.7	997.6	997.4
5	998.0	997.9	997.7	997.6	997.4
6	998.0	997.8	997.7	997.5	997.3
7	997.9	997.8	997.6	997.4	997.3
8	997.9	997.7	997.6	997.4	997.2
9	997.8	997.6	997.5	997.3	997.1
10	997.8	997.6	997.4	997.2	997.1
11	997.7	997.5	997.3	997.1	997.0
12	997.6	997.4	997.2	997.0	996.8
13	997.5	997.3	997.1	996.9	996.7
14	997.4	997.2	997.0	996.8	996.6
15	997.3	997.1	996.9	996.7	996.5
16	997.2	997.0	996.8	996.5	996.3
17	997.1	996.8	996.6	996.4	996.2
18	996.9	996.7	996.5	996.3	996.1
19	996.8	996.5	996.3	996.1	995.8
20	996.6	996.3	996.1	995.8	995.6
21	996.4	996.1	995.9	995.6	995.3
22	996.2	995.9	995.6	995.4	995.1
23	996.1	995.8	995.6	995.3	995.0
24	996.0	995.7	995.5	995.2	994.9
25	995.9	995.7	995.4	995.1	994.8

76°—80°

VOLUMES.

True per Cent.	76°	77°	78°	79°	80°
26	995.8	995.5	995.2	994.9	994.6
27	995.6	995.3	995.1	994.8	994.5
28	995.5	995.2	994.9	994.6	994.3
29	995.3	995.0	994.7	994.4	994.1
30	995.2	994.9	994.5	994.2	993.9
31	995.0	994.7	994.4	994.0	993.7
32	994.9	994.5	994.2	993.9	993.5
33	994.7	994.4	994.0	993.7	993.3
34	994.5	994.2	993.8	993.5	993.1
35	994.4	994.0	993.7	993.3	992.9
36	994.2	993.9	993.5	993.1	992.7
37	994.1	993.7	993.3	992.9	992.5
38	993.9	993.5	993.1	992.7	992.3
39	993.8	993.4	993.0	992.6	992.2
40	993.7	993.3	992.9	992.5	992.1
41	993.6	993.2	992.8	992.4	992.0
42	993.5	993.1	992.7	992.2	991.8
43	993.4	992.9	992.5	992.1	991.7
44	993.3	992.8	992.4	991.9	991.5
45	993.2	992.7	992.3	991.9	991.4
46	993.1	992.7	992.2	991.8	991.3
47	993.0	992.6	992.1	991.7	991.2
48	992.9	992.5	992.0	991.6	991.1
49	992.9	992.4	991.9	991.5	991.0
50	992.8	992.3	991.9	991.4	990.9

76°—80°

VOLUMES.

True per Cent.	76°	77°	78°	79°	80°
51	992.7	992.2	991.8	991.3	990.9
52	992.6	992.1	991.7	991.2	990.7
53	992.5	992.1	991.6	991.1	990.6
54	992.5	992.0	991.5	991.0	990.5
55	992.4	991.9	991.4	990.9	990.5
56	992.3	991.9	991.4	990.9	990.4
57	992.3	991.8	991.3	990.8	990.3
58	992.3	991.8	991.3	990.8	990.3
59	992.2	991.7	991.2	990.7	990.2
60	992.2	991.7	991.2	990.7	990.2
61	992.1	991.6	991.1	990.6	990.1
62	992.0	991.5	991.0	990.5	990.0
63	992.0	991.5	991.0	990.4	989.9
64	991.9	991.4	990.9	990.4	989.9
65	991.9	991.4	990.9	990.4	989.9
66	991.8	991.3	990.8	990.3	989.8
67	991.7	991.2	990.7	990.2	989.6
68	991.7	991.2	990.6	990.1	989.6
69	991.6	991.1	990.6	990.0	989.5
70	991.6	991.1	990.5	990.0	989.5
71	991.6	991.0	990.5	990.0	989.4
72	991.5	991.0	990.5	989.9	989.4
73	991.5	990.9	990.4	989.9	989.3
74	991.4	990.9	990.3	989.8	989.3
75	991.4	990.9	990.3	989.8	989.2

76°—80°

VOLUMES.

True per Cent.	76°	77°	78°	79°	80°
76	991.4	990.8	990.3	989.7	989.2
77	991.3	990.8	990.2	989.7	989.1
78	991.3	990.7	990.2	989.6	989.1
79	991.2	990.7	990.1	989.6	989.0
80	991.2	990.6	990.1	989.5	988.9
81	991.1	990.6	990.0	989.5	988.9
82	991.1	990.5	990.0	989.4	988.9
83	991.1	990.5	989.9	989.4	988.8
84	991.0	990.5	989.9	989.3	988.8
85	991.0	990.4	989.8	989.3	988.7
86	990.9	990.3	989.8	989.2	988.6
87	990.9	990.3	989.7	989.1	988.6
88	990.8	990.3	989.7	989.1	988.5
89	990.8	990.2	989.6	989.0	988.5
90	990.8	990.2	989.6	989.0	988.4
91	990.7	990.1	989.5	988.9	988.3
92	990.7	990.1	989.5	988.9	988.3
93	990.6	990.0	989.4	988.8	988.2
94	990.6	990.0	989.4	988.8	988.2
95	990.6	990.0	989.4	988.8	988.2
96	990.6	990.0	989.3	988.7	988.1
97	990.5	989.9	989.2	988.6	988.0
98	990.4	989.8	989.2	988.6	988.0
99	990.4	989.8	989.1	988.5	987.9
100	990.4	989.8	989.1	988.5	987.9

81°—85°

VOLUMES.

True per Cent.	81°	82°	83°	84°	85°
1	997.3	997.2	997.0	996.8	996.7
2	997.3	997.1	997.0	996.8	996.6
3	997.3	997.1	996.9	996.7	996.6
4	997.2	997.1	996.9	996.7	996.5
5	997.2	997.0	996.8	996.7	996.5
6	997.1	997.0	996.8	996.6	996.4
7	997.1	996.9	996.7	996.5	996.3
8	997.0	996.8	996.6	996.5	996.3
9	996.9	996.7	996.6	996.4	996.2
10	996.9	996.7	996.5	996.3	996.1
11	996.8	996.6	996.4	996.2	996.0
12	996.6	996.4	996.2	996.0	995.8
13	996.5	996.3	996.1	995.9	995.7
14	996.4	996.2	996.0	995.7	995.5
15	996.3	996.0	995.8	995.6	995.4
16	996.1	995.9	995.6	995.4	995.2
17	996.0	995.7	995.5	995.3	995.0
18	995.8	995.6	995.3	995.1	994.9
19	995.6	995.3	995.1	994.8	994.6
20	995.3	995.1	994.8	994.5	994.3
21	995.1	994.8	994.5	994.2	994.0
22	994.8	994.5	994.2	994.0	993.7
23	994.7	994.4	994.2	993.9	993.6
24	994.6	994.3	994.0	993.8	993.5
25	994.5	994.2	993.9	993.6	993.4

81°—85°

VOLUMES.

True per Cent.	81°	82°	83°	84°	85°
26	994·3	994·0	993·7	993·4	993·1
27	994·2	993·8	993·5	993·2	992·9
28	994·0	993·6	993·3	993·0	992·7
29	993·7	993·4	993·1	992·8	992·5
30	993·6	993·2	992·9	992·6	992·2
31	993·4	993·0	992·7	992·4	992·0
32	993·2	992·8	992·5	992·1	991·8
33	993·0	992·6	992·2	991·9	991·5
34	992·8	992·4	992·0	991·7	991·3
35	992·6	992·2	991·8	991·4	991·1
36	992·4	992·0	991·6	991·2	990·8
37	992·1	991·7	991·3	990·9	990·5
38	991·9	991·5	991·0	990·6	990·2
39	991·8	991·4	991·0	990·6	990·1
40	991·7	991·3	990·9	990·5	990·0
41	991·5	991·1	990·7	990·3	989·9
42	991·4	991·0	990·5	990·1	989·7
43	991·2	990·8	990·3	989·9	989·5
44	991·1	990·6	990·2	989·7	989·3
45	991·0	990·5	990·1	989·7	989·2
46	990·9	990·4	990·0	989·5	989·1
47	990·8	990·3	989·8	989·4	988·9
48	990·7	990·2	989·7	989·3	988·8
49	990·6	990·1	989·6	989·2	988·7
50	990·5	990·0	989·5	989·1	988·6

81°—85°

VOLUMES.

True per Cent.	81°	82°	83°	84°	85°
51	990.4	989.9	989.4	989.0	988.5
52	990.3	989.8	989.3	988.8	988.3
53	990.2	989.7	989.2	988.7	988.2
54	990.0	989.5	989.1	988.6	988.1
55	990.0	989.5	989.0	988.5	988.0
56	989.9	989.4	988.9	988.4	987.9
57	989.8	989.3	988.9	988.4	987.9
58	989.8	989.3	988.8	988.3	987.8
59	989.7	989.2	988.7	988.2	987.7
60	989.6	989.1	988.6	988.1	987.6
61	989.5	989.0	988.5	988.0	987.5
62	989.4	988.9	988.4	987.9	987.4
63	989.4	988.9	988.4	987.9	987.3
64	989.4	988.9	988.3	987.8	987.3
65	989.3	988.8	988.3	987.8	987.2
66	989.2	988.7	988.2	987.7	987.1
67	989.1	988.6	988.0	987.5	987.0
68	989.0	988.5	988.0	987.4	986.9
69	989.0	988.4	987.9	987.3	986.8
70	988.9	988.4	987.8	987.3	986.8
71	988.9	988.3	987.8	987.3	986.7
72	988.8	988.3	987.7	987.2	986.7
73	988.8	988.2	987.7	987.1	986.6
74	988.7	988.2	987.6	987.1	986.5
75	988.7	988.1	987.6	987.0	986.5

81°—85°

VOLUMES.

True per Cent.	81°	82°	83°	84°	85°
76	988.6	988.1	987.5	987.0	986.4
77	988.6	988.0	987.4	986.9	986.3
78	988.5	987.9	987.4	986.8	986.3
79	988.4	987.9	987.3	986.8	986.2
80	988.4	987.8	987.2	986.7	986.1
81	988.3	987.8	987.2	986.6	986.1
82	988.3	987.7	987.2	986.6	986.0
83	988.2	987.7	987.1	986.5	986.0
84	988.2	987.6	987.1	986.5	985.9
85	988.1	987.5	987.0	986.4	985.8
86	988.0	987.5	986.9	986.3	985.7
87	988.0	987.4	986.8	986.2	985.6
88	987.9	987.3	986.8	986.2	985.6
89	987.9	987.3	986.7	986.1	985.5
90	987.8	987.2	986.6	986.0	985.4
91	987.8	987.2	986.6	986.0	985.4
92	987.7	987.1	986.6	985.9	985.3
93	987.6	987.0	986.4	985.8	985.2
94	987.6	987.0	986.4	985.8	985.2
95	987.6	987.0	986.3	985.7	985.1
96	987.5	986.9	986.3	985.7	985.1
97	987.4	986.8	986.2	985.6	985.0
98	987.4	986.8	986.1	985.5	984.9
99	987.3	986.7	986.0	985.4	984.8
100	987.3	986.7	986.0	985.4	984.8

86°—90°

VOLUMES.

True per Cent.	86°	87°	88°	89°	90°
1	996.5	996.3	996.1	995.9	995.7
2	996.4	996.2	996.0	995.8	995.7
3	996.4	996.2	996.0	995.8	995.7
4	996.3	996.1	995.9	995.7	995.5
5	996.3	996.1	995.9	995.7	995.5
6	996.2	996.0	995.8	995.6	995.4
7	996.1	995.9	995.7	995.5	995.3
8	996.1	995.8	995.6	995.4	995.2
9	996.0	995.8	995.5	995.3	995.1
10	995.9	995.7	995.4	995.2	995.0
11	995.7	995.5	995.3	995.1	994.9
12	995.6	995.4	995.1	994.9	994.7
13	995.4	995.2	995.0	994.8	994.5
14	995.3	995.1	994.8	994.6	994.4
15	995.1	994.9	994.6	994.4	994.2
16	994.9	994.7	994.5	994.2	994.0
17	994.8	994.5	994.3	994.0	993.8
18	994.6	994.3	994.1	993.8	993.6
19	994.3	994.1	993.8	993.5	993.2
20	994.0	993.7	993.4	993.1	992.9
21	993.7	993.4	993.1	992.8	992.5
22	993.4	993.1	992.8	992.5	992.2
23	993.3	993.0	992.7	992.4	992.1
24	993.2	992.8	992.5	992.2	991.9
25	993.0	992.7	992.4	992.1	991.8

86°—90°

VOLUMES.

True per Cent.	86°	87°	88°	89°	90°
26	992.8	992.5	992.2	991.9	991.6
27	992.6	992.3	992.0	991.6	991.3
28	992.4	992.0	991.7	991.4	991.0
29	992.1	991.8	991.4	991.1	990.8
30	991.9	991.6	991.2	990.9	990.5
31	991.7	991.3	991.0	990.6	990.3
32	991.4	991.1	990.7	990.3	990.0
33	991.2	990.8	990.4	990.1	989.7
34	990.9	990.5	990.2	989.8	989.4
35	990.7	990.3	989.9	989.5	989.1
36	990.4	990.0	989.6	989.2	988.8
37	990.1	989.7	989.3	988.9	988.5
38	989.8	989.4	989.0	988.6	988.2
39	989.7	989.3	988.9	988.5	988.1
40	989.6	989.2	988.8	988.4	988.0
41	989.4	989.0	988.6	988.2	987.7
42	989.2	988.8	988.4	987.9	987.5
43	989.0	988.6	988.1	987.7	987.3
44	988.9	988.4	988.0	987.5	987.0
45	988.8	988.3	987.9	987.4	987.0
46	988.6	988.2	987.7	987.2	986.8
47	988.5	988.0	987.5	987.1	986.6
48	988.4	987.9	987.4	987.0	986.5
49	988.2	987.8	987.3	986.8	986.4
50	988.1	987.6	987.2	986.7	986.2

86°—90°

VOLUMES.

True per Cent.	86°	87°	88°	89°	90°
51	988.0	987.5	987.1	986.6	986.1
52	987.9	987.4	986.9	986.4	985.9
53	987.7	987.3	986.8	986.3	985.8
54	987.6	987.1	986.6	986.1	985.6
55	987.5	987.0	986.5	986.0	985.5
56	987.4	986.9	986.4	985.9	985.4
57	987.4	986.9	986.4	985.8	985.3
58	987.3	986.8	986.3	985.8	985.3
59	987.2	986.7	986.2	985.6	985.1
60	987.1	986.6	986.1	985.6	985.0
61	987.0	986.5	985.9	985.4	984.9
62	986.8	986.3	985.8	985.3	984.8
63	986.8	986.3	985.8	985.2	984.7
64	986.8	986.3	985.7	985.2	984.7
65	986.7	986.2	985.7	985.1	984.6
66	986.6	986.1	985.5	985.0	984.5
67	986.4	985.9	985.4	984.8	984.3
68	986.3	985.8	985.3	984.7	984.2
69	986.3	985.7	985.2	984.6	984.1
70	986.2	985.7	985.1	984.6	984.0
71	986.2	985.6	985.1	984.5	984.0
72	986.1	985.5	985.0	984.4	983.9
73	986.0	985.5	984.9	984.4	983.8
74	986.0	985.4	984.8	984.3	983.7
75	985.9	985.3	984.8	984.2	983.7

86°—90°

VOLUMES.

True per Cent.	86°	87°	88°	89°	90°
76	985.8	985.3	984.7	984.2	983.6
77	985.8	985.2	984.6	984.1	983.5
78	985.7	985.1	984.6	984.0	983.4
79	985.6	985.1	984.5	983.9	983.3
80	985.5	985.0	984.4	983.8	983.3
81	985.5	984.9	984.3	983.8	983.2
82	985.4	984.9	984.3	983.7	983.2
83	985.4	984.8	984.3	983.7	983.1
84	985.3	984.8	984.2	983.6	983.0
85	985.2	984.6	984.1	983.5	982.9
86	985.1	984.5	983.9	983.4	982.8
87	985.0	984.5	983.9	983.3	982.7
88	985.0	984.4	983.8	983.2	982.6
89	984.9	984.3	983.7	983.2	982.6
90	984.8	984.3	983.7	983.1	982.5
91	984.8	984.2	983.6	983.0	982.4
92	984.7	984.1	983.5	982.9	982.3
93	984.6	984.0	983.4	982.8	982.2
94	984.6	984.0	983.4	982.8	982.2
95	984.5	983.9	983.3	982.7	982.1
96	984.5	983.9	983.2	982.6	982.0
97	984.4	983.8	983.1	982.5	981.9
98	984.3	983.7	983.0	982.4	981.8
99	984.2	983.6	982.9	982.3	981.7
100	984.2	983.6	982.9	982.3	981.7

91°—95°

VOLUMES.

True per Cent.	91°	92°	93°	94°	95°
1	995.5	995.3	995.1	994.9	994.7
2	995.4	995.2	995.0	994.8	994.6
3	995.4	995.2	994.9	994.7	994.5
4	995.3	995.1	994.9	994.7	994.4
5	995.3	995.0	994.8	994.6	994.4
6	995.2	994.9	994.7	994.5	994.3
7	995.1	994.8	994.6	994.4	994.2
8	995.0	994.8	994.5	994.3	994.1
9	994.9	994.7	994.4	994.2	994.0
10	994.8	994.5	994.3	994.1	993.8
11	994.6	994.4	994.1	993.9	993.7
12	994.4	994.2	993.9	993.7	993.5
13	994.3	994.0	993.8	993.5	993.3
14	994.1	993.8	993.6	993.3	993.1
15	993.9	993.6	993.4	993.1	992.9
16	993.7	993.4	993.2	992.9	992.6
17	993.5	993.2	993.0	992.7	992.4
18	993.3	993.0	992.7	992.5	992.2
19	993.0	992.7	992.4	992.1	991.8
20	992.6	992.3	992.0	991.7	991.4
21	992.2	991.9	991.6	991.3	991.0
22	991.8	991.5	991.2	990.9	990.6
23	991.7	991.4	991.1	990.8	990.5
24	991.6	991.3	991.0	990.7	990.3
25	991.5	991.2	990.9	990.5	990.2

91°—95°

VOLUMES.

True per Cent.	91°	92°	93°	94°	95°
26	991.2	990.9	990.6	990.3	989.9
27	991.0	990.6	990.3	990.0	989.7
28	990.7	990.4	990.0	989.7	989.3
29	990.4	990.1	989.7	989.4	989.0
30	990.2	989.8	989.5	989.1	988.8
31	989.9	989.5	989.2	988.8	988.5
32	989.6	989.2	988.9	988.5	988.2
33	989.3	988.9	988.6	988.2	987.8
34	989.0	988.6	988.2	987.9	987.5
35	988.7	988.3	987.9	987.5	987.2
36	988.4	988.0	987.6	987.2	986.8
37	988.1	987.7	987.3	986.9	986.5
38	987.8	987.3	986.9	986.5	986.1
39	987.6	987.2	986.8	986.4	985.9
40	987.5	987.1	986.7	986.3	985.8
41	987.3	986.9	986.4	986.0	985.6
42	987.1	986.6	986.2	985.7	985.3
43	986.8	986.4	985.9	985.5	985.0
44	986.6	986.1	985.7	985.2	984.8
45	986.5	986.0	985.6	985.1	984.7
46	986.3	985.9	985.4	984.9	984.5
47	986.1	985.7	985.2	984.7	984.3
48	986.0	985.5	985.1	984.6	984.1
49	985.9	985.4	984.9	984.5	984.0
50	985.7	985.3	984.8	984.3	983.8

91°—95°

VOLUMES.

True per Cent.	91°	92°	93°	94°	95°
51	985.6	985.1	984.6	984.2	983.7
52	985.4	984.9	984.5	984.0	983.5
53	985.3	984.8	984.3	983.8	983.3
54	985.1	984.6	984.1	983.6	983.1
55	985.0	984.5	983.9	983.4	982.9
56	984.9	984.4	983.9	983.3	982.8
57	984.8	984.3	983.8	983.3	982.8
58	984.8	984.2	983.7	983.2	982.7
59	984.6	984.1	983.6	983.1	982.6
60	984.5	984.0	983.5	983.0	982.5
61	984.4	983.9	983.3	982.8	982.4
62	984.2	983.7	983.2	982.6	982.1
63	984.2	983.7	983.1	982.6	982.1
64	984.2	983.6	983.1	982.6	982.0
65	984.1	983.5	983.0	982.5	982.0
66	983.9	983.4	982.9	982.3	981.8
67	983.8	983.2	982.7	982.1	981.6
68	983.6	983.1	982.5	982.0	981.5
69	983.5	983.0	982.4	981.9	981.3
70	983.5	982.9	982.4	981.8	981.3
71	983.4	982.9	982.3	981.8	981.2
72	983.3	982.8	982.2	981.7	981.1
73	983.3	982.7	982.2	981.6	981.0
74	983.2	982.6	982.1	981.5	980.9
75	983.1	982.5	982.0	981.4	980.8

91°—95°

VOLUMES.

True per Cent.	91°	92°	93°	94°	95°
76	983.0	982.5	981.9	981.3	980.8
77	982.9	982.4	981.8	981.2	980.7
78	982.9	982.3	981.7	981.2	980.6
79	982.8	982.2	981.6	981.1	980.5
80	982.7	982.1	981.5	981.0	980.4
81	982.6	982.0	981.5	980.9	980.3
82	982.6	982.0	981.4	980.9	980.3
83	982.6	982.0	981.4	980.8	980.3
84	982.5	981.9	981.3	980.7	980.1
85	982.3	981.7	981.2	980.6	980.0
86	982.2	981.6	981.0	980.4	979.8
87	982.1	981.5	980.9	980.3	979.7
88	982.0	981.4	980.8	980.3	979.7
89	982.0	981.4	980.8	980.2	979.6
90	981.9	981.3	980.7	980.1	979.5
91	981.8	981.2	980.6	980.0	979.4
92	981.7	981.1	980.5	979.9	979.3
93	981.6	981.0	980.4	979.8	979.2
94	981.6	981.0	980.4	979.7	979.1
95	981.5	980.9	980.2	979.6	979.0
96	981.4	980.8	980.2	979.6	979.0
97	981.3	980.7	980.0	979.4	978.8
98	981.2	980.6	979.9	979.3	978.7
99	981.1	980.5	979.8	979.2	978.6
100	981.1	980.5	979.8	979.2	978.6

96°—100°

VOLUMES.

True per Cent.	96°	97°	98°	99°	100°
1	994.4	994.2	994.0	993.7	993.5
2	994.4	994.1	993.9	993.7	993.4
3	994.3	994.0	993.8	993.6	993.3
4	994.2	994.0	993.7	993.5	993.3
5	994.1	993.9	993.7	993.4	993.2
6	994.0	993.8	993.5	993.3	993.1
7	993.9	993.7	993.4	993.2	992.9
8	993.8	993.6	993.3	993.1	992.9
9	993.7	993.4	993.2	992.9	992.7
10	993.6	993.3	993.1	992.8	992.6
11	993.4	993.1	992.9	992.6	992.4
12	993.2	992.9	992.7	992.4	992.1
13	993.0	992.7	992.5	992.2	991.9
14	992.8	992.5	992.3	992.0	991.7
15	992.6	992.3	992.0	991.8	991.5
16	992.4	992.1	991.8	991.5	991.2
17	992.1	991.8	991.5	991.3	991.0
18	991.9	991.6	991.3	991.0	990.7
19	991.5	991.2	990.9	990.6	990.3
20	991.1	990.8	990.4	990.1	989.8
21	990.6	990.3	990.0	989.7	989.3
22	990.2	989.9	989.6	989.2	988.9
23	990.1	989.8	989.5	989.1	988.8
24	990.0	989.7	989.3	989.0	988.7
25	989.9	989.6	989.2	988.9	988.6

96°—100°

VOLUMES.

True per Cent.	96°	97°	98°	99°	100°
26	989.6	989.3	988.9	988.6	988.2
27	989.3	989.0	988.6	988.3	987.9
28	989.0	988.6	988.3	987.9	987.6
29	988.7	988.3	988.0	987.6	987.3
30	988.4	988.0	987.7	987.3	987.0
31	988.1	987.7	987.4	987.0	986.6
32	987.8	987.4	987.0	986.6	986.3
33	987.4	987.0	986.7	986.3	985.9
34	987.1	986.7	986.3	985.9	985.5
35	986.8	986.4	986.0	985.6	985.2
36	986.4	986.0	985.6	985.2	984.8
37	986.0	985.6	985.2	984.8	984.4
38	985.6	985.2	984.8	984.4	983.9
39	985.5	985.1	984.7	984.2	983.8
40	985.4	985.0	984.5	984.1	983.7
41	985.1	984.7	984.3	983.8	983.4
42	984.9	984.4	984.0	983.5	983.1
43	984.6	984.1	983.6	983.2	982.7
44	984.3	983.8	983.4	982.9	982.5
45	984.2	983.7	983.3	982.8	982.3
46	984.0	983.5	983.1	982.6	982.1
47	983.8	983.3	982.8	982.4	981.9
48	983.6	983.2	982.7	982.2	981.8
49	983.5	983.0	982.5	982.1	981.6
50	983.3	982.8	982.4	981.9	981.4

96°—100°

VOLUMES.

True per Cent.	96°	97°	98°	99°	100°
51	983.2	982.7	982.2	981.7	981.2
52	983.0	982.5	982.0	981.5	981.0
53	982.8	982.3	981.8	981.3	980.8
54	982.6	982.1	981.6	981.1	980.6
55	982.4	981.9	981.4	980.9	980.4
56	982.3	981.8	981.3	980.8	980.3
57	982.3	981.8	981.3	980.7	980.2
58	982.2	981.7	981.2	980.6	980.1
59	982.0	981.5	981.0	980.5	980.0
60	981.9	981.4	980.9	980.4	979.8
61	981.8	981.2	980.7	980.2	979.6
62	981.6	981.0	980.5	980.0	979.4
63	981.5	981.0	980.5	979.9	979.4
64	981.5	981.0	980.4	979.9	979.4
65	981.4	980.9	980.3	979.8	979.3
66	981.2	980.7	980.2	979.6	979.1
67	981.1	980.5	980.0	979.4	978.9
68	980.9	980.3	979.8	979.2	978.7
69	980.7	980.2	979.6	979.1	978.5
70	980.7	980.1	979.6	979.0	978.5
71	980.7	980.1	979.5	979.0	978.4
72	980.6	980.0	979.4	978.9	978.3
73	980.5	979.9	979.3	978.8	978.2
74	980.4	979.8	979.2	978.7	978.1
75	980.3	979.7	979.1	978.6	978.0

96°—100°

VOLUMES.

True per Cent.	96°	97°	98°	99°	100°
76	980.2	979.6	979.1	978.5	977.9
77	980.1	979.5	978.9	978.4	977.8
78	980.0	979.4	978.9	978.3	977.7
79	979.9	979.3	978.8	978.2	977.6
80	979.8	979.2	978.6	978.1	977.5
81	979.7	979.2	978.6	978.0	977.4
82	979.7	979.1	978.5	978.0	977.4
83	979.7	979.1	978.5	977.9	977.4
84	979.6	979.0	978.4	977.8	977.2
85	979.4	978.8	978.2	977.6	977.1
86	979.2	978.6	978.0	977.5	976.9
87	979.1	978.5	977.9	977.3	976.7
88	979.1	978.5	977.9	977.3	976.7
89	979.0	978.4	977.8	977.2	976.6
90	978.9	978.3	977.7	977.0	976.5
91	978.8	978.2	977.5	976.9	976.3
92	978.7	978.0	977.4	976.8	976.2
93	978.5	977.9	977.3	976.7	976.1
94	978.5	977.9	977.3	976.7	976.1
95	978.4	977.7	977.1	976.4	975.8
96	978.3	977.7	977.0	976.4	975.7
97	978.2	977.5	976.9	976.2	975.6
98	978.1	977.4	976.8	976.1	975.5
99	978.0	977.3	976.7	976.0	975.4
100	978.0	977.3	976.7	976.0	975.4

TABLE III.

Showing the commercial value, or decimal proportion of the volume occupied by any spirituous liquor, at any temperature between 20° and 100° Fahr., which is to be considered pure alcohol at 60° Fahrenheit.

In the use of this table the gauging and proving must always be performed at the same temperature.

21°—25°

COMMERCIAL VALUE.

Indica- tion.	21°	22°	23°	24°	25°
1	0.79	0.83	0.88	0.92	0.97
2	1.80	1.86	1.91	1.97	2.02
3	2.84	2.90	2.95	3.01	3.06
4	3.90	3.95	4.01	4.06	4.11
5	4.95	5.00	5.06	5.11	5.17
6	6.07	6.12	6.18	6.23	6.29
7	7.20	7.25	7.31	7.36	7.42
8	8.34	8.39	8.45	8.50	8.55
9	9.48	9.53	9.58	9.63	9.68
10	10.62	10.66	10.71	10.75	10.80
11	11.95	11.99	12.04	12.08	12.13
12	13.24	13.28	13.32	13.36	13.40
13	14.53	14.57	14.60	14.64	14.68
14	15.82	15.85	15.87	15.90	15.93
15	17.25	17.26	17.28	17.29	17.30
16	18.76	18.77	18.77	18.78	18.78
17	20.30	20.28	20.27	20.25	20.24
18	21.80	21.78	21.75	21.72	21.70
19	23.45	23.40	23.36	23.31	23.26
20	25.17	25.10	25.04	24.97	24.90
21	26.92	26.82	26.73	26.63	26.53
22	28.68	28.55	28.43	28.30	28.18
23	30.30	30.15	29.99	29.84	29.69
24	31.89	31.71	31.54	31.36	31.18
25	33.50	33.30	33.09	32.89	32.68

21°—25°

COMMERCIAL VALUE.

Indica- tion.	21°	22°	23°	24°	25°
26	35.17	34.94	34.70	34.47	34.23
27	36.83	36.57	36.30	36.04	35.77
28	38.51	38.21	37.92	37.62	37.32
29	40.12	39.80	39.47	39.15	38.83
30	41.73	41.38	41.02	40.67	40.32
31	43.31	42.93	42.54	42.16	41.77
32	44.60	44.19	43.79	43.38	42.97
33	45.91	45.48	45.06	44.63	44.20
34	47.06	46.63	46.19	45.76	45.33
35	48.14	47.70	47.25	46.81	46.36
36	49.25	48.79	48.33	47.87	47.41
37	50.41	49.94	49.48	49.01	48.55
38	51.59	51.12	50.64	50.17	49.69
39	52.23	51.77	51.30	50.84	50.38
40	52.93	52.49	52.04	51.60	51.16
41	53.66	53.23	52.79	52.36	51.93
42	54.44	54.02	53.61	53.19	52.77
43	55.18	54.78	54.38	53.98	53.58
44	56.00	55.61	55.21	54.82	54.42
45	56.85	56.47	56.08	55.70	55.32
46	57.71	57.33	56.94	56.56	56.18
47	58.53	58.16	57.78	57.41	57.04
48	59.30	58.94	58.58	58.22	57.86
49	60.10	59.76	59.41	59.07	58.72
50	60.97	60.63	60.28	59.94	59.60

21°—25°

COMMERCIAL VALUE

Indica- tion.	21°	22°	23°	24°	25°
51	61·86	61·52	61·19	60·85	60·52
52	62·77	62·44	62·10	61·77	61·43
53	63·66	63·33	63·01	62·68	62·35
54	64·48	64·16	63·85	63·53	63·21
55	65·29	64·98	64·68	64·37	64·07
56	66·21	65·91	65·60	65·30	65·00
57	67·12	66·82	66·51	66·21	65·91
58	68·03	67·73	67·43	67·13	66·83
59	68·94	68·65	68·37	68·08	67·79
60	69·84	69·56	69·27	68·99	68·71
61	70·78	70·50	70·21	69·93	69·65
62	71·75	71·47	71·18	70·90	70·62
63	72·67	72·39	72·12	71·84	71·56
64	73·63	73·35	73·08	72·80	72·53
65	74·59	74·32	74·05	73·78	73·51
66	75·57	75·30	75·03	74·76	74·49
67	76·58	76·31	76·04	75·77	75·50
68	77·48	77·21	76·95	76·68	76·41
69	78·37	78·11	77·84	77·58	77·32
70	79·32	79·05	78·79	78·52	78·26
71	80·27	80·01	79·74	79·48	79·21
72	81·21	80·95	80·70	80·44	80·18
73	82·17	81·91	81·65	81·39	81·13
74	83·11	82·85	82·60	82·34	82·09
75	84·05	83·80	83·54	83·29	83·03

21°—25°

COMMERCIAL VALUE.

Indica- tion.	21°	22°	23°	24°	25°
76	85.01	84.76	84.52	84.27	84.02
77	85.99	85.74	85.49	85.24	84.99
78	86.96	86.71	86.47	86.22	85.97
79	87.91	87.67	87.42	87.18	86.93
80	88.87	88.62	88.38	88.13	87.88
81	89.85	89.61	89.36	89.12	88.88
82	90.83	90.58	90.34	90.09	89.84
83	91.81	91.56	91.32	91.07	90.83
84	92.74	92.50	92.25	92.01	91.77
85	93.64	93.40	93.16	92.92	92.68
86	94.55	94.32	94.08	93.85	93.62
87	95.47	95.24	95.00	94.77	94.54
88	96.39	96.15	95.92	95.68	95.45
89	97.32	97.09	96.85	96.62	96.39
90	98.17	97.95	97.73	97.51	97.29
91	99.00	98.79	98.57	98.36	98.14
92	99.91	99.70	99.49	99.28	99.07
93	100.84	100.62	100.41	100.19	99.98
94	101.66	101.45	101.25	101.04	100.83
95	102.48	102.27	102.07	101.86	101.66
96	103.28	103.08	102.87	102.67	102.46
97	104.06	103.86	103.65	103.45	103.24
98	104.87	104.69	104.50	104.32	104.13
99	105.68	105.45	105.23	105.00	104.77
100	106.60	106.43	106.25	106.08	105.90

26°—30°

COMMERCIAL VALUE.

Indica- tion.	26 °	27 °	28 °	29 °	30 °
1	1·05	1·13	1·21	1·29	1·37
2	2·08	2·15	2·21	2·28	2·34
3	3·12	3·18	3·23	3·29	3·35
4	4·16	4·22	4·27	4·33	4·38
5	5·21	5·26	5·30	5·35	5·39
6	6·33	6·37	6·42	6·46	6·50
7	7·46	7·50	7·55	7·59	7·63
8	8·59	8·63	8·66	8·70	8·74
9	9·72	9·75	9·79	9·82	9·86
10	10·83	10·86	10·90	10·93	10·96
11	12·16	12·18	12·21	12·23	12·26
12	13·42	13·44	13·46	13·48	13·50
13	14·69	14·70	14·70	14·71	14·72
14	15·93	15·93	15·94	15·94	15·94
15	17·29	17·29	17·28	17·28	17·27
16	18·76	18·74	18·71	18·69	18·67
17	20·20	20·16	20·12	20·08	20·04
18	21·65	21·59	21·53	21·47	21·41
19	23·18	23·11	23·03	22·96	22·88
20	24·80	24·70	24·61	24·51	24·41
21	26·41	26·29	26·17	26·05	25·93
22	28·03	27·89	27·74	27·60	27·45
23	29·52	29·35	29·18	29·01	28·84
24	30·99	30·79	30·60	30·40	30·21
25	32·47	32·25	32·04	31·82	31·61

26° — 30°

COMMERCIAL VALUE.

Indica- tion.	26 °	27 °	28 °	29 °	30 °
26	33.99	33.74	33.50	33.25	33.01
27	35.51	35.25	34.98	34.72	34.46
28	37.03	36.74	36.44	36.15	35.86
29	38.51	38.19	37.87	37.55	37.23
30	39.98	39.63	39.29	38.94	38.60
31	41.40	41.03	40.66	40.29	39.92
32	42.58	42.20	41.81	41.43	41.04
33	43.80	43.41	43.01	42.62	42.22
34	44.93	44.52	44.12	43.71	43.31
35	45.95	45.54	45.13	44.72	44.31
36	47.00	46.59	46.18	45.77	45.36
37	48.13	47.70	47.28	46.85	46.43
38	49.25	48.82	48.38	47.95	47.51
39	49.97	49.56	49.14	48.73	48.32
40	50.75	50.34	49.94	49.53	49.12
41	51.54	51.14	50.75	50.35	49.96
42	52.39	52.00	51.62	51.23	50.85
43	53.20	52.83	52.45	52.08	51.70
44	54.06	53.70	53.35	52.99	52.63
45	54.96	54.60	54.25	53.89	53.53
46	55.83	55.48	55.12	54.77	54.42
47	56.70	56.36	56.01	55.67	55.33
48	57.53	57.20	56.86	56.53	56.20
49	58.39	58.06	57.74	57.41	57.08
50	59.28	58.96	58.65	58.33	58.01

26°—30°

COMMERCIAL VALUE.

Indica- tion.	26 °	27 °	28 °	29 °	30 °
51	60·21	59·89	59·58	59·26	58·95
52	61·12	60·81	60·50	60·19	59·88
53	62·04	61·73	61·42	61·11	60·80
54	62·91	62·61	62·32	62·02	61·72
55	63·78	63·49	63·20	62·91	62·62
56	64·71	64·41	64·12	63·82	63·53
57	65·62	65·33	65·05	64·76	64·47
58	66·55	66·27	66·00	65·72	65·44
59	67·51	67·23	66·95	66·67	66·39
60	68·44	68·16	67·89	67·61	67·34
61	69·38	69·11	68·84	68·57	68·30
62	70·35	70·08	69·82	69·55	69·28
63	71·29	71·02	70·56	70·49	70·22
64	72·26	71·99	71·73	71·46	71·19
65	73·24	72·98	72·71	72·45	72·18
66	74·23	73·97	73·70	73·44	73·18
67	75·24	74·98	74·71	74·45	74·19
68	76·15	75·89	75·64	75·38	75·12
69	77·07	76·81	76·56	76·30	76·05
70	78·00	77·75	77·49	77·24	76·98
71	78·96	78·71	78·45	78·20	77·95
72	79·93	79·67	79·42	79·16	78·91
73	80·88	80·63	80·38	80·13	79·88
74	81·84	81·59	81·34	81·09	80·84
75	82·79	82·55	82·31	82·07	81·83

26°—30°

COMMERCIAL VALUE.

Indica- tion.	26°	27°	28°	29°	30°
76	83.77	83.53	83.28	83.04	82.79
77	84.75	84.51	84.26	84.02	83.78
78	85.73	85.49	85.24	85.00	84.76
79	86.69	86.45	86.20	85.96	85.72
80	87.64	87.41	87.17	86.94	86.70
81	88.64	88.39	88.15	87.90	87.66
82	89.60	89.36	89.12	88.88	88.64
83	90.59	90.35	90.11	89.87	89.63
84	91.53	91.29	91.06	90.82	90.58
85	92.45	92.22	91.98	91.75	91.52
86	93.39	93.16	92.93	92.70	92.47
87	94.31	94.08	93.86	93.63	93.40
88	95.22	95.00	94.77	94.55	94.32
89	96.16	95.94	95.71	95.49	95.26
90	97.07	96.84	96.62	96.39	96.17
91	97.92	97.70	97.48	97.26	97.04
92	98.85	98.64	98.42	98.21	97.99
93	99.77	99.55	99.34	99.12	98.91
94	100.62	100.41	100.21	100.00	99.79
95	101.46	101.26	101.05	100.85	100.65
96	102.26	102.05	101.85	101.64	101.44
97	103.05	102.86	102.67	102.48	102.29
98	103.94	103.75	103.57	103.38	103.19
99	104.63	104.50	104.36	104.23	104.09
100	105.72	105.54	105.36	105.18	105.00

31°—35°

COMMERCIAL VALUE.

Indica- tion.	31°	32°	33°	34°	35°
1	1.44	1.51	1.59	1.66	1.73
2	2.38	2.42	2.47	2.51	2.55
3	3.39	3.42	3.46	3.49	3.53
4	4.41	4.44	4.46	4.49	4.52
5	5.42	5.45	5.48	5.51	5.54
6	6.53	6.56	6.59	6.62	6.65
7	7.66	7.68	7.71	7.73	7.76
8	8.76	8.78	8.81	8.83	8.85
9	9.88	9.89	9.91	9.92	9.94
10	10.97	10.98	11.00	11.01	11.02
11	12.26	12.27	12.27	12.28	12.28
12	13.50	13.50	13.50	13.50	13.50
13	14.71	14.70	14.69	14.68	14.67
14	15.92	15.90	15.87	15.85	15.83
15	17.24	17.21	17.18	17.15	17.12
16	18.63	18.58	18.54	18.49	18.45
17	19.98	19.92	19.86	19.80	19.74
18	21.33	21.26	21.18	21.11	21.03
19	22.79	22.69	22.60	22.50	22.41
20	24.29	24.17	24.05	23.93	23.81
21	25.79	25.66	25.52	25.39	25.25
22	27.29	27.13	26.98	26.82	26.66
23	28.66	28.48	28.30	28.12	27.94
24	30.02	29.82	29.63	29.43	29.24
25	31.39	31.17	30.96	30.74	30.52

31° — 35°

COMMERCIAL VALUE.

Indica- tion.	31°	32°	33°	34°	35°
26	32.77	32.53	32.30	32.06	31.82
27	34.20	33.93	33.67	33.40	33.14
28	35.58	35.30	35.03	34.75	34.47
29	36.93	36.62	36.32	36.01	35.71
30	38.27	37.94	37.61	37.28	36.95
31	39.57	39.23	38.88	38.54	38.19
32	40.69	40.34	40.00	39.65	39.30
33	41.85	41.49	41.12	40.76	40.39
34	42.93	42.55	42.17	41.79	41.41
35	43.93	43.56	43.18	42.81	42.43
36	44.98	44.60	44.23	43.85	43.47
37	46.04	45.65	45.25	44.86	44.47
38	47.13	46.74	46.36	45.97	45.59
39	47.93	47.55	47.16	46.78	46.39
40	48.75	48.38	48.01	47.64	47.27
41	49.60	49.24	48.89	48.53	48.17
42	50.50	50.15	49.79	49.44	49.09
43	51.36	51.02	50.68	50.34	50.00
44	52.29	51.95	51.60	51.26	50.92
45	53.19	52.85	52.51	52.17	51.83
46	54.09	53.76	53.42	53.09	52.76
47	55.01	54.69	54.37	54.05	53.73
48	55.89	55.58	55.26	54.95	54.64
49	56.78	56.47	56.17	55.86	55.56
50	57.71	57.41	57.10	56.80	56.50

31°—35°

COMMERCIAL VALUE.

Indica- tion.	31°	32°	33°	34°	35°
51	58·65	58·35	58·04	57·74	57·44
52	59·58	59·28	58·98	58·68	58·38
53	60·51	60·22	59·94	59·65	59·36
54	61·43	61·14	60·86	60·57	60·28
55	62·34	62·05	61·77	61·48	61·20
56	63·25	62·97	62·69	62·41	62·13
57	64·20	63·93	63·66	63·39	63·12
58	65·17	64·90	64·63	64·36	64·09
59	66·12	65·85	65·58	65·31	65·04
60	67·07	66·80	66·53	66·26	65·99
61	68·03	67·77	67·50	67·24	66·97
62	69·02	68·75	68·49	68·22	67·96
63	69·96	69·70	69·45	69·19	68·93
64	70·94	70·68	70·43	70·17	69·92
65	71·93	71·67	71·42	71·16	70·91
66	72·93	72·67	72·42	72·16	71·91
67	73·93	73·68	73·42	73·17	72·91
68	74·86	74·61	74·35	74·10	73·84
69	75·80	75·54	75·29	75·03	74·78
70	76·73	76·48	76·23	75·98	75·73
71	77·70	77·45	77·21	76·96	76·71
72	78·66	78·42	78·17	77·93	77·68
73	79·64	79·39	79·15	78·90	78·66
74	80·60	80·36	80·12	79·88	79·64
75	81·59	81·35	81·10	80·86	80·62

31°—35°

COMMERCIAL VALUE.

Indica- tion.	31°	32°	33°	34°	35°
76	82.55	82.31	82.08	81.84	81.60
77	83.54	83.30	83.06	82.82	82.58
78	84.52	84.28	84.04	83.80	83.56
79	85.48	85.25	85.01	84.78	84.54
80	86.46	86.23	85.99	85.76	85.52
81	87.43	87.20	86.96	86.73	86.50
82	88.40	88.16	87.93	87.69	87.45
83	89.39	89.16	88.92	88.69	88.45
84	90.35	90.11	89.88	89.64	89.41
85	91.29	91.06	90.82	90.59	90.36
86	92.24	92.02	91.79	91.57	91.34
87	93.17	92.95	92.72	92.50	92.27
88	94.10	93.87	93.65	93.42	93.20
89	95.04	94.82	94.60	94.38	94.16
90	95.95	95.73	95.51	95.29	95.07
91	96.83	96.62	96.42	96.21	96.00
92	97.78	97.57	97.36	97.15	96.94
93	98.71	98.50	98.30	98.09	97.89
94	99.59	99.39	99.18	98.98	98.78
95	100.45	100.25	100.05	99.85	99.65
96	101.24	101.05	100.85	100.66	100.46
97	102.11	101.93	101.74	101.56	101.38
98	103.01	102.83	102.65	102.47	102.29
99	103.92	103.75	103.57	103.40	103.23
100	104.83	104.66	104.48	104.31	104.14

36°—40°

COMMERCIAL VALUE.

Indica- tion.	36°	37°	38°	39°	40°
1	1.75	1.78	1.80	1.83	1.85
2	2.56	2.58	2.59	2.61	2.62
3	3.54	3.55	3.57	3.58	3.59
4	4.53	4.55	4.56	4.58	4.59
5	5.55	5.56	5.57	5.58	5.59
6	6.66	6.67	6.67	6.68	6.69
7	7.76	7.76	7.77	7.77	7.77
8	8.85	8.85	8.85	8.85	8.85
9	9.94	9.94	9.93	9.93	9.93
10	11.02	11.02	11.01	11.01	11.01
11	12.27	12.26	12.26	12.25	12.24
12	13.48	13.45	13.43	13.40	13.38
13	14.64	14.61	14.58	14.55	14.52
14	15.79	15.76	15.72	15.69	15.65
15	17.07	17.02	16.98	16.93	16.88
16	18.39	18.33	18.26	18.20	18.14
17	19.66	19.59	19.51	19.44	19.36
18	20.94	20.84	20.75	20.65	20.56
19	22.30	22.19	22.07	21.96	21.85
20	23.68	23.56	23.43	23.31	23.18
21	25.10	24.95	24.79	24.64	24.49
22	26.49	26.32	26.14	25.97	25.80
23	27.75	27.56	27.37	27.18	26.99
24	29.03	28.82	28.61	28.40	28.19
25	30.30	30.07	29.85	29.62	29.40

36°—40°

COMMERCIAL VALUE.

Indica- tion.	36°	37°	38°	39°	40°
26	31.58	31.34	31.09	30.85	30.61
27	32.88	32.62	32.37	32.11	31.85
28	34.19	33.91	33.63	33.35	33.07
29	35.41	35.11	34.82	34.52	34.22
30	36.64	36.33	36.02	35.71	35.40
31	37.86	37.53	37.21	36.88	36.55
32	38.96	38.62	38.29	37.95	37.61
33	40.04	39.70	39.35	39.01	38.66
34	41.07	40.73	40.38	40.04	39.70
35	42.08	41.73	41.39	41.04	40.69
36	43.12	42.76	42.41	42.05	41.70
37	44.12	43.78	43.43	43.09	42.74
38	45.23	44.87	44.50	44.14	43.78
39	46.05	45.70	45.36	45.01	44.67
40	46.93	46.60	46.26	45.93	45.59
41	47.84	47.51	47.18	46.85	46.52
42	48.77	48.44	48.12	47.79	47.47
43	49.68	49.36	49.03	48.71	48.39
44	50.60	50.28	49.97	49.65	49.33
45	51.52	51.21	50.91	50.60	50.29
46	52.46	52.16	51.86	51.56	51.26
47	53.43	53.13	52.84	52.54	52.24
48	54.35	54.05	53.76	53.46	53.17
49	55.27	54.98	54.68	54.39	54.10
50	56.21	55.92	55.64	55.35	55.06

36°—40°

COMMERCIAL VALUE.

Indica- tion.	36°	37°	38°	39°	40°
51	57.16	56.87	56.59	56.30	56.02
52	58.10	57.82	57.55	57.27	56.99
53	59.08	58.80	58.52	58.24	57.96
54	60.01	59.73	59.46	59.18	58.91
55	60.93	60.66	60.38	60.11	59.84
56	61.87	61.61	61.35	61.09	60.83
57	62.86	62.59	62.33	62.06	61.80
58	63.83	63.57	63.30	63.04	62.78
59	64.78	64.53	64.27	64.02	63.76
60	65.74	65.48	65.23	64.97	64.72
61	66.71	66.46	66.20	65.95	65.69
62	67.70	67.45	67.19	66.94	66.68
63	68.68	68.43	68.17	67.92	67.67
64	69.67	69.42	69.17	68.92	68.67
65	70.66	70.41	70.17	69.92	69.67
66	71.66	71.41	71.16	70.91	70.66
67	72.66	72.41	72.16	71.91	71.66
68	73.59	73.35	73.10	72.86	72.61
69	74.54	74.29	74.05	73.80	73.56
70	75.49	75.25	75.01	74.77	74.53
71	76.47	76.23	75.99	75.75	75.51
72	77.44	77.20	76.96	76.72	76.48
73	78.42	78.19	77.95	77.72	77.48
74	79.41	79.17	78.94	78.70	78.47
75	80.39	80.15	79.92	79.68	79.45

36°—40°

COMMERCIAL VALUE.

Indica- tion.	36°	37°	38°	39°	40°
76	81.37	81.13	80.90	80.66	80.43
77	82.35	82.12	81.88	81.65	81.42
78	83.33	83.10	82.86	82.63	82.40
79	84.31	84.08	83.84	83.61	83.38
80	85.29	85.06	84.83	84.60	84.37
81	86.27	86.04	85.81	85.58	85.35
82	87.22	87.00	86.77	86.55	86.32
83	88.22	87.99	87.77	87.54	87.31
84	89.19	88.96	88.74	88.51	88.29
85	90.14	89.92	89.69	89.47	89.25
86	91.12	90.90	90.67	90.45	90.23
87	92.05	91.83	91.61	91.39	91.17
88	92.98	92.76	92.55	92.33	92.11
89	93.94	93.72	93.50	93.28	93.06
90	94.86	94.65	94.43	94.22	94.01
91	95.79	95.58	95.37	95.16	94.95
92	96.73	96.52	96.31	96.10	95.89
93	97.69	97.49	97.29	97.09	96.89
94	98.59	98.39	98.20	98.01	97.81
95	99.46	99.26	99.07	98.87	98.68
96	100.28	100.10	99.93	99.75	99.57
97	101.20	101.02	100.83	100.65	100.47
98	102.11	101.94	101.76	101.59	101.41
99	103.05	102.88	102.70	102.53	102.35
100	103.97	103.80	103.63	103.46	103.29

41°—45°

COMMERCIAL VALUE.

Indica- tion.	41°	42°	43°	44°	45°
1	1·85	1·85	1·85	1·85	1·85
2	2·62	2·62	2·62	2·62	2·62
3	3·59	3·59	3·58	3·58	3·58
4	4·58	4·58	4·57	4·57	4·56
5	5·58	5·58	5·57	5·57	5·56
6	6·68	6·67	6·67	6·66	6·65
7	7·76	7·75	7·75	7·74	7·73
8	8·83	8·82	8·80	8·79	8·77
9	9·91	9·88	9·86	9·83	9·81
10	10·98	10·95	10·92	10·89	10·86
11	12·20	12·17	12·13	12·10	12·06
12	13·34	13·29	13·25	13·20	13·16
13	14·47	14·42	14·36	14·31	14·26
14	15·59	15·53	15·48	15·42	15·36
15	16·81	16·73	16·66	16·58	16·51
16	18·05	17·96	17·88	17·79	17·70
17	19·26	19·16	19·06	18·96	18·86
18	20·45	20·34	20·22	20·11	20·00
19	21·72	21·60	21·47	21·35	21·22
20	23·03	22·89	22·74	22·60	22·45
21	24·32	24·15	23·99	23·82	23·65
22	25·61	25·43	25·24	25·06	24·87
23	26·80	26·60	26·41	26·21	26·02
24	27·98	27·77	27·57	27·36	27·15
25	29·17	28·95	28·72	28·50	28·27

41°—45°

COMMERCIAL VALUE.

Indica- tion.	41°	42°	43°	44°	45°
26	30·37	30·13	29·89	29·65	29·41
27	31·59	31·33	31·08	30·82	30·56
28	32·80	32·53	32·25	31·98	31·71
29	33·94	33·66	33·37	33·09	32·81
30	35·10	34·81	34·51	34·22	33·92
31	36·24	35·93	35·63	35·32	35·01
32	37·29	36·98	36·66	36·35	36·03
33	38·34	38·02	37·71	37·39	37·07
34	39·38	39·05	38·73	38·40	38·08
35	40·37	40·05	39·72	39·40	39·08
36	41·38	41·06	40·74	40·42	40·10
37	42·41	42·08	41·76	41·43	41·10
38	43·46	43·13	42·81	42·48	42·16
39	44·35	44·03	43·71	43·39	43·07
40	45·28	44·98	44·67	44·37	44·06
41	46·21	45·91	45·60	45·30	44·99
42	47·17	46·87	46·56	46·26	45·96
43	48·09	47·79	47·50	47·20	46·90
44	49·04	48·75	48·45	48·16	47·87
45	50·00	49·71	49·43	49·14	48·85
46	50·98	50·69	50·41	50·12	49·84
47	51·96	51·67	51·39	51·10	50·82
48	52·89	52·61	52·33	52·05	51·77
49	53·82	53·55	53·27	53·00	52·72
50	54·78	54·51	54·23	53·96	53·68

41°—45°

COMMERCIAL VALUE.

Indica- tion.	41°	42°	43°	44°	45°
51	55.75	55.49	55.22	54.96	54.69
52	56.72	56.46	56.19	55.93	55.66
53	57.69	57.42	57.16	56.89	56.62
54	58.64	58.38	58.11	57.85	57.58
55	59.59	59.33	59.08	58.82	58.57
56	60.58	60.32	60.07	59.81	59.56
57	61.55	61.29	61.04	60.78	60.53
58	62.53	62.27	62.02	61.76	61.51
59	63.51	63.26	63.00	62.75	62.50
60	64.47	64.22	63.97	63.72	63.47
61	65.45	65.20	64.96	64.71	64.47
62	66.44	66.19	65.95	65.70	65.46
63	67.43	67.19	66.94	66.70	66.46
64	68.43	68.19	67.94	67.70	67.46
65	69.43	69.18	68.94	68.69	68.45
66	70.41	70.17	69.92	69.68	69.43
67	71.41	71.17	70.92	70.68	70.43
68	72.37	72.13	71.88	71.64	71.40
69	73.33	73.10	72.86	72.63	72.40
70	74.30	74.06	73.83	73.59	73.36
71	75.28	75.04	74.81	74.57	74.34
72	76.25	76.01	75.78	75.54	75.31
73	77.25	77.02	76.79	76.56	76.33
74	78.24	78.01	77.78	77.55	77.32
75	79.22	78.99	78.76	78.53	78.30

41°—45°

COMMERCIAL VALUE.

Indica- tion.	41°	42°	43°	44°	45°
76	80.20	79.97	79.75	79.52	79.29
77	81.19	80.96	80.72	80.49	80.26
78	82.17	81.95	81.72	81.50	81.27
79	83.15	82.92	82.70	82.47	82.24
80	84.14	83.92	83.69	83.47	83.24
81	85.13	84.90	84.68	84.45	84.23
82	86.10	85.88	85.65	85.43	85.21
83	87.09	86.87	86.64	86.42	86.20
84	88.07	87.85	87.62	87.40	87.18
85	89.03	88.81	88.59	88.37	88.15
86	90.01	89.79	89.58	89.36	89.14
87	90.95	90.74	90.52	90.31	90.09
88	91.90	91.68	91.47	91.25	91.04
89	92.85	92.64	92.44	92.23	92.02
90	93.81	93.60	93.40	93.19	92.99
91	94.74	94.54	94.33	94.13	93.92
92	95.69	95.49	95.30	95.10	94.90
93	96.69	96.49	96.30	96.10	95.90
94	97.61	97.41	97.21	97.01	96.81
95	98.48	98.29	98.10	97.90	97.70
96	99.38	99.20	99.01	98.83	98.64
97	100.30	100.12	99.95	99.77	99.60
98	101.24	101.06	100.89	100.71	100.54
99	102.18	102.01	101.84	101.67	101.50
100	103.12	102.96	102.79	102.63	102.46

46°—50°

COMMERCIAL VALUE.

Indica- tion.	46°	47°	48°	49°	50°
1	1.80	1.75	1.69	1.64	1.59
2	2.59	2.56	2.53	2.50	2.47
3	3.55	3.53	3.50	3.48	3.45
4	4.54	4.52	4.49	4.47	4.45
5	5.54	5.51	5.49	5.46	5.44
6	6.62	6.59	6.56	6.53	6.50
7	7.69	7.65	7.62	7.58	7.54
8	8.73	8.70	8.66	8.63	8.59
9	9.77	9.73	9.70	9.66	9.62
10	10.82	10.78	10.73	10.69	10.65
11	12.00	11.95	11.89	11.84	11.78
12	13.10	13.03	12.97	12.90	12.84
13	14.19	14.12	14.04	13.97	13.90
14	15.29	15.22	15.14	15.07	15.00
15	16.43	16.35	16.28	16.20	16.12
16	17.60	17.50	17.39	17.29	17.19
17	18.75	18.64	18.52	18.41	18.30
18	19.88	19.76	19.63	19.51	19.39
19	21.08	20.94	20.79	20.65	20.51
20	22.29	22.13	21.97	21.81	21.65
21	23.48	23.31	23.14	22.97	22.80
22	24.68	24.49	24.30	24.11	23.92
23	25.82	25.61	25.41	25.20	25.00
24	26.94	26.73	26.51	26.30	26.09
25	28.05	27.83	27.61	27.39	27.17

46°—50°

COMMERCIAL VALUE.

Indica- tion.	46 °	47 °	48 °	49 °	50 °
26	29·17	28·94	28·70	28·47	28·23
27	30·31	30·06	29·81	29·56	29·31
28	31·45	31·19	30·93	30·67	30·41
29	32·54	32·28	32·01	31·75	31·48
30	33·64	33·36	33·08	32·80	32·52
31	34·73	34·44	34·16	33·87	33·59
32	35·74	35·45	35·17	34·88	34·59
33	36·78	36·48	36·19	35·89	35·60
34	37·79	37·50	37·21	36·92	36·63
35	38·79	38·50	38·20	37·91	37·62
36	39·81	39·52	39·22	38·92	38·63
37	40·81	40·51	40·22	39·92	39·63
38	41·86	41·56	41·26	40·96	40·66
39	42·78	42·50	42·21	41·93	41·64
40	43·77	43·48	43·19	43·90	42·61
41	44·71	44·42	44·14	43·85	43·57
42	45·67	45·39	45·10	44·82	44·53
43	46·62	46·34	46·06	45·78	45·50
44	47·60	47·32	47·05	46·77	46·50
45	48·58	48·31	48·04	47·77	47·50
46	49·57	49·30	49·03	48·76	48·49
47	50·55	50·28	50·02	49·75	49·48
48	51·50	51·23	50·97	50·70	50·43
49	52·46	52·20	51·93	51·67	51·41
50	53·43	53·17	52·92	52·66	52·41

46°—50°

COMMERCIAL VALUE.

Indica- tion.	46°	47°	48°	49°	50°
51	54.43	54.18	53.92	53.67	53.41
52	55.40	55.15	54.89	54.64	54.38
53	56.37	56.11	55.86	55.60	55.35
54	57.34	57.09	56.85	56.60	56.36
55	58.32	58.08	57.83	57.59	57.34
56	59.31	59.07	58.82	58.58	58.33
57	60.29	60.05	59.80	59.56	59.32
58	61.27	61.03	60.79	60.55	60.31
59	62.26	62.02	61.78	61.54	61.30
60	63.23	62.99	62.76	62.52	62.28
61	64.23	63.99	63.76	63.52	63.28
62	65.22	64.99	64.75	64.52	64.28
63	66.22	65.99	65.75	65.52	65.28
64	67.22	66.99	66.75	66.52	66.28
65	68.21	67.98	67.74	67.51	67.27
66	69.20	68.96	68.73	68.49	68.26
67	70.19	69.96	69.72	69.49	69.25
68	71.17	70.94	70.70	70.47	70.24
69	72.17	71.93	71.70	71.46	71.23
70	73.13	72.90	72.66	72.43	72.20
71	74.11	73.88	73.64	73.41	73.18
72	75.09	74.86	74.64	74.41	74.19
73	76.10	75.87	75.65	75.42	75.19
74	77.09	76.87	76.64	76.42	76.19
75	78.08	77.85	77.63	77.40	77.18

46°—50°

COMMERCIAL VALUE.

Indica- tion.	46°	47°	48°	49°	50°
76	79.06	78.84	78.61	78.39	78.16
77	80.04	79.82	79.60	79.38	79.16
78	81.05	80.83	80.60	80.38	80.16
79	82.02	81.80	81.58	81.36	81.14
80	83.02	82.80	82.57	82.35	82.13
81	84.01	83.79	83.57	83.35	83.13
82	84.99	84.77	84.55	84.33	84.11
83	85.98	85.76	85.55	85.33	85.11
84	86.97	86.75	86.54	86.32	86.11
85	87.94	87.72	87.51	87.29	87.08
86	88.93	88.72	88.50	88.29	88.08
87	89.88	89.67	89.46	89.25	89.04
88	90.83	90.62	90.42	90.21	90.00
89	91.82	91.61	91.41	91.20	91.00
90	92.78	92.58	92.37	92.17	91.96
91	93.72	93.52	93.32	93.12	92.92
92	94.70	94.50	94.31	94.11	93.91
93	95.71	95.51	95.32	95.12	94.93
94	96.61	96.42	96.22	96.02	95.83
95	97.51	97.33	97.14	96.96	96.77
96	98.46	98.28	98.11	97.93	97.75
97	99.42	99.24	99.07	98.89	98.71
98	100.37	100.20	100.03	99.86	99.69
99	101.34	101.18	101.02	100.86	100.70
100	102.29	102.12	101.94	101.77	101.60

36°—40°

COMMERCIAL VALUE.

Indica- tion.	51°	52°	53°	54°	55°
1	1.53	1.47	1.40	1.34	1.28
2	2.43	2.39	2.34	2.30	2.26
3	3.41	3.37	3.33	3.29	3.25
4	4.41	4.37	4.33	4.29	4.25
5	5.40	5.36	5.33	5.29	5.25
6	6.46	6.42	6.37	6.33	6.29
7	7.50	7.45	7.41	7.36	7.32
8	8.54	8.49	8.43	8.38	8.33
9	9.57	9.51	9.46	9.40	9.35
10	10.59	10.53	10.47	10.41	10.35
11	11.71	11.64	11.56	11.49	11.42
12	12.76	12.69	12.61	12.54	12.46
13	13.82	13.73	13.65	13.56	13.48
14	14.90	14.81	14.71	14.62	14.52
15	16.01	15.90	15.80	15.69	15.58
16	17.08	16.97	16.86	16.75	16.64
17	18.18	18.05	17.93	17.80	17.68
18	19.26	19.12	18.99	18.85	18.72
19	20.37	20.22	20.08	19.93	19.79
20	21.49	21.33	21.16	21.00	20.84
21	22.62	22.44	22.27	22.09	21.91
22	23.73	23.54	23.35	23.16	22.97
23	24.80	24.60	24.40	24.20	24.00
24	25.88	25.67	25.47	25.26	25.05
25	26.95	26.73	26.51	26.29	26.07

51°—55°

COMMERCIAL VALUE.

Indica- tion.	51°	52°	53°	54°	55°
26	28.00	27.77	27.55	27.32	27.09
27	29.07	28.84	28.60	28.37	28.13
28	30.17	29.92	29.68	29.43	29.19
29	31.12	30.86	30.61	30.35	30.19
30	32.26	32.00	31.73	31.47	31.21
31	33.32	33.05	32.79	32.52	32.25
32	34.32	34.04	33.77	33.49	33.22
33	35.33	35.06	34.80	34.53	34.26
34	36.35	36.08	35.80	35.53	35.25
35	37.35	37.07	36.80	36.52	36.25
36	38.36	38.09	37.82	37.55	37.25
37	39.36	39.08	38.81	38.53	38.26
38	40.39	40.12	39.84	39.57	39.30
39	41.36	41.09	40.81	40.54	40.26
40	42.34	42.07	41.80	41.53	41.26
41	43.30	43.03	42.77	42.50	42.23
42	44.27	44.01	43.75	43.49	43.23
43	45.24	44.98	44.73	44.47	44.21
44	46.24	45.99	45.73	45.48	45.22
45	47.24	46.98	46.73	46.47	46.21
46	48.23	47.97	47.72	47.46	47.20
47	49.22	48.97	48.71	48.46	48.20
48	50.18	49.93	49.67	49.42	49.17
49	51.16	50.92	50.67	50.43	50.18
50	52.16	51.91	51.67	51.42	51.17

51°—55°

COMMERCIAL VALUE.

Indica- tion.	51°	52°	53°	54°	55°
51	53·17	52·92	52·67	52·43	52·18
52	54·13	53·89	53·64	53·40	53·15
53	55·11	54·87	54·63	54·39	54·15
54	56·12	55·88	55·64	55·40	55·16
55	57·10	56·86	56·63	56·39	56·15
56	58·09	57·86	57·62	57·39	57·15
57	59·08	58·85	58·61	58·38	58·14
58	60·07	59·84	59·60	59·37	59·13
59	61·07	60·83	60·60	60·36	60·13
60	62·05	61·82	61·58	61·35	61·12
61	63·05	62·82	62·58	62·35	62·12
62	64·05	63·82	63·59	63·36	63·13
63	65·05	64·82	64·58	64·35	64·12
64	66·05	65·82	65·59	65·36	65·13
65	67·04	66·81	66·58	66·35	66·12
66	68·03	67·80	67·56	67·33	67·10
67	69·02	68·79	68·57	68·34	68·11
68	70·01	69·78	69·56	69·33	69·10
69	71·01	70·78	70·56	70·33	70·11
70	71·98	71·75	71·53	71·30	71·08
71	72·96	72·74	72·53	72·31	72·09
72	73·97	73·75	73·52	73·30	73·08
73	74·97	74·75	74·52	74·30	74·08
74	75·97	75·75	75·52	75·30	75·08
75	76·96	76·74	76·51	76·29	76·07

51°—55°

COMMERCIAL VALUE.

Indica- tion.	51°	52°	53°	54°	55°
76	77·94	77·72	77·51	77·29	77·07
77	78·94	78·72	78·51	78·29	78·07
78	79·94	79·72	79·51	79·29	79·07
79	80·92	80·70	80·49	80·27	80·05
80	81·92	81·70	81·49	81·27	81·06
81	82·91	82·70	82·48	82·27	82·05
82	83·90	83·69	83·47	83·26	83·05
83	84·90	84·69	84·47	84·26	84·05
84	85·90	85·69	85·47	85·26	85·05
85	86·87	86·66	86·45	86·24	86·03
86	87·87	87·66	87·46	87·25	87·04
87	88·83	88·62	88·42	88·21	88·00
88	89·80	89·60	89·39	89·19	88·99
89	90·80	90·60	90·40	90·20	90·00
90	91·76	91·56	91·37	91·17	90·97
91	92·73	92·54	92·34	92·15	91·96
92	93·72	93·53	93·34	93·15	92·96
93	94·74	94·54	94·35	94·15	93·96
94	95·64	95·46	95·27	95·09	94·90
95	96·59	96·41	96·24	96·06	95·88
96	97·57	97·39	97·22	97·04	96·86
97	98·54	98·37	98·20	98·03	97·86
98	99·52	99·35	99·18	99·01	98·84
99	100·53	100·35	100·18	100·00	99·83
100	101·44	101·28	101·12	100·96	100·80

56°—60°

COMMERCIAL VALUE.

Indica- tion.	56°	57°	58°	59°	60°
1	1.22	1.17	1.11	1.06	1.00
2	2.21	2.16	2.10	2.05	2.00
3	3.20	3.15	3.10	3.05	3.00
4	4.20	4.15	4.10	4.05	4.00
5	5.20	5.15	5.10	5.05	5.00
6	6.23	6.17	6.12	6.06	6.00
7	7.26	7.18	7.13	7.06	7.00
8	8.26	8.20	8.13	8.07	8.00
9	9.28	9.21	9.14	9.07	9.00
10	10.28	10.21	10.14	10.07	10.00
11	11.34	11.25	11.17	11.08	11.00
12	12.37	12.28	12.18	12.09	12.00
13	13.38	13.29	13.19	13.10	13.00
14	14.42	14.31	14.21	14.10	14.00
15	15.46	15.35	15.23	15.12	15.00
16	16.51	16.38	16.26	16.13	16.00
17	17.54	17.41	17.27	17.14	17.00
18	18.58	18.43	18.29	18.14	18.00
19	19.63	19.47	19.32	19.16	19.00
20	20.67	20.50	20.34	20.17	20.00
21	21.73	21.55	21.36	21.18	21.00
22	22.78	22.58	22.39	22.19	22.00
23	23.80	23.60	23.40	23.20	23.00
24	24.84	24.63	24.42	24.21	24.00
25	25.86	25.64	25.43	25.21	25.00

56°—60°

COMMERCIAL VALUE.

Indica- tion.	56°	57°	58°	59°	60°
26	26.87	26.65	26.44	26.22	26.00
27	27.90	27.68	27.45	27.23	27.00
28	28.95	28.71	28.48	28.24	28.00
29	29.95	29.71	29.48	29.24	29.00
30	30.97	30.73	30.48	30.24	30.00
31	32.00	31.75	31.50	31.25	31.00
32	32.98	32.73	32.49	32.24	32.00
33	34.01	33.76	33.50	33.25	33.00
34	35.00	34.75	34.50	34.25	34.00
35	36.00	35.75	35.50	35.25	35.00
36	37.02	36.77	36.51	36.26	36.00
37	38.01	37.76	37.50	37.25	37.00
38	38.04	38.78	38.52	38.26	38.00
39	40.01	39.76	39.50	39.25	39.00
40	41.01	40.76	40.50	40.25	40.00
41	41.98	41.74	41.49	41.25	41.00
42	42.98	42.74	42.49	42.25	42.00
43	43.97	43.73	43.48	43.24	43.00
44	44.98	44.73	44.49	44.24	44.00
45	45.97	45.73	45.48	45.24	45.00
46	46.96	46.72	46.48	46.24	46.00
47	47.96	47.72	47.48	47.24	47.00
48	48.94	48.70	48.47	48.23	48.00
49	49.94	49.71	49.47	49.24	49.00
50	50.94	50.70	50.47	50.23	50.00

56°—60°

COMMERCIAL VALUE.

Indica- tion.	56°	57°	58°	59°	60°
51	51.94	51.71	51.47	51.24	51.00
52	52.92	52.69	52.46	52.23	52.00
53	53.92	53.69	53.46	53.23	53.00
54	54.93	54.70	54.46	54.23	54.00
55	55.92	55.69	55.46	55.23	55.00
56	56.92	56.69	56.46	56.23	56.00
57	57.91	57.68	57.46	57.23	57.00
58	58.90	58.68	58.45	58.23	58.00
59	59.90	59.68	59.45	59.23	59.00
60	60.90	60.67	60.45	60.22	60.00
61	61.90	61.67	61.45	61.22	61.00
62	62.90	62.68	62.45	62.23	62.00
63	63.90	63.67	63.45	63.22	63.00
64	64.90	64.68	64.45	64.23	64.00
65	65.90	65.67	65.45	65.22	65.00
66	66.88	66.66	66.44	66.22	66.00
67	67.89	67.67	67.44	67.22	67.00
68	68.88	68.66	68.44	68.22	68.00
69	69.89	69.67	69.44	69.22	69.00
70	70.86	70.65	70.43	70.22	70.00
71	71.87	71.65	71.44	71.22	71.00
72	72.86	72.65	72.43	72.22	72.00
73	73.86	73.65	73.43	73.22	73.00
74	74.86	74.65	74.43	74.22	74.00
75	75.86	75.64	75.43	75.21	75.00

56°—60°

COMMERCIAL VALUE.

Indica- tion.	56°	57°	58°	59°	60°
76	76.86	76.64	76.43	76.21	76.00
77	77.86	77.64	77.43	77.21	77.00
78	78.86	78.64	78.43	78.21	78.00
79	79.84	79.63	79.42	79.21	79.00
80	80.85	80.64	80.42	80.21	80.00
81	81.84	81.63	81.42	81.21	81.00
82	82.84	82.63	82.42	82.21	82.00
83	83.84	83.63	83.42	83.21	83.00
84	84.84	84.63	84.42	84.21	84.00
85	85.82	85.62	85.41	85.21	85.00
86	86.83	86.62	86.42	86.21	86.00
87	87.80	87.60	87.40	87.20	87.00
88	88.79	88.59	88.40	88.20	88.00
89	89.80	89.60	89.40	89.20	89.00
90	90.78	90.58	90.38	90.19	90.00
91	91.77	91.58	91.38	91.19	91.00
92	92.77	92.58	92.38	92.19	92.00
93	93.77	93.58	93.38	93.19	93.00
94	94.72	94.54	94.36	94.18	94.00
95	95.70	95.53	95.35	95.18	95.00
96	96.69	96.52	96.34	96.17	96.00
97	97.69	97.52	97.34	97.17	97.00
98	98.67	98.50	98.34	98.17	98.00
99	99.66	99.50	99.33	99.17	99.00
100	100.64	100.48	100.32	100.16	100.00

61°—65°

COMMERCIAL VALUE.

Indica- tion.	61°	62°	63°	64°	65°
1	0.96	0.91	0.87	0.82	0.78
2	1.95	1.90	1.84	1.79	1.74
3	2.95	2.89	2.84	2.78	2.73
4	3.94	3.89	3.83	3.78	3.72
5	4.94	4.87	4.81	4.74	4.68
6	5.93	5.86	5.80	5.73	5.66
7	6.93	6.86	6.78	6.71	6.64
8	7.92	7.85	7.77	7.70	7.62
9	8.92	8.84	8.77	8.69	8.61
10	9.91	9.82	9.73	9.64	9.55
11	10.90	10.81	10.71	10.61	10.52
12	11.90	11.80	11.70	11.60	11.50
13	12.89	12.78	12.68	12.57	12.46
14	13.88	13.77	13.65	13.54	13.42
15	14.87	14.75	14.62	14.50	14.37
16	15.87	15.74	15.60	15.47	15.34
17	16.86	16.72	16.58	16.44	16.30
18	17.85	17.70	17.56	17.41	17.26
19	18.84	18.68	18.52	18.36	18.20
20	19.83	19.66	19.48	19.31	19.14
21	20.82	20.64	20.45	20.27	20.09
22	21.81	21.62	21.42	21.23	21.04
23	22.80	22.60	22.40	22.20	22.00
24	23.80	23.59	23.39	23.18	22.98
25	24.79	24.59	24.38	24.18	23.97

61°—65°

COMMERCIAL VALUE.

Indica- tion.	61°	62°	63°	64°	65°
26	25·79	25·58	25·36	25·15	24·94
27	26·78	26·56	26·34	26·12	25·90
28	27·78	27·56	27·34	27·12	26·90
29	28·77	28·55	28·32	28·10	27·87
30	29·77	29·54	29·31	29·08	28·85
31	30·77	30·55	30·32	30·10	29·87
32	31·77	31·53	31·30	31·06	30·83
33	32·77	32·54	32·31	32·08	31·85
34	33·77	33·54	33·30	33·07	32·84
35	34·77	34·53	34·30	34·06	33·83
36	35·77	35·54	35·31	35·08	34·85
37	36·76	36·52	36·29	36·05	35·81
38	37·76	37·53	37·29	37·06	36·82
39	38·76	38·52	38·28	38·04	37·80
40	39·77	39·54	39·32	39·09	38·86
41	40·77	40·54	40·30	40·07	39·84
42	41·77	41·54	41·31	41·08	40·85
43	42·77	42·54	42·30	42·07	41·84
44	43·77	43·54	43·31	43·08	42·85
45	44·77	44·54	44·31	44·08	43·85
46	45·77	45·54	45·32	45·09	44·86
47	46·78	46·55	46·33	46·10	45·88
48	47·77	47·55	47·32	47·10	46·87
49	48·77	48·55	48·32	48·10	47·87
50	49·77	49·54	49·32	49·09	48·86

61°—65°

COMMERCIAL VALUE.

Indica- tion.	61°	62°	63°	64°	65°
51	50.78	50.56	50.34	50.12	49.90
52	51.78	51.56	51.34	51.12	50.90
53	52.78	52.56	52.33	52.11	51.89
54	53.78	53.56	53.34	53.12	52.90
55	54.78	54.56	54.33	54.11	53.89
56	55.78	55.56	55.34	55.12	54.90
57	56.78	56.56	56.34	56.12	55.90
58	57.78	57.56	57.34	57.12	56.90
59	58.78	58.56	58.35	58.10	57.92
60	59.78	59.56	59.35	59.13	58.91
61	60.78	60.56	60.35	60.13	59.91
62	61.78	61.56	61.35	61.13	60.91
63	62.78	62.56	62.35	62.13	61.91
64	63.78	63.56	63.35	63.13	62.91
65	64.78	64.57	64.35	64.14	63.92
66	65.78	65.57	65.35	65.14	64.92
67	66.78	66.57	66.35	66.14	65.92
68	67.78	67.57	67.35	67.13	66.91
69	68.79	68.57	68.36	68.14	67.93
70	69.79	69.57	69.36	69.14	68.93
71	70.79	70.58	70.36	70.15	69.94
72	71.79	71.58	71.36	71.15	70.94
73	72.79	72.58	72.36	72.15	71.94
74	73.79	73.58	73.37	73.16	72.95
75	74.79	74.58	74.37	74.16	73.95

61° — 65°

COMMERCIAL VALUE.

Indica- tion.	61°	62°	63°	64°	65°
76	75.79	75.58	75.38	75.17	74.96
77	76.79	76.58	76.37	76.16	75.95
78	77.79	77.59	77.38	77.18	76.97
79	78.79	78.59	78.38	78.18	77.97
80	79.79	79.58	79.38	79.17	78.96
81	80.80	80.59	80.39	80.18	79.98
82	81.80	81.59	81.39	81.18	80.98
83	82.80	82.59	82.39	82.18	81.98
84	83.80	83.59	83.39	83.18	82.98
85	84.80	84.59	84.39	84.18	83.98
86	85.80	85.61	85.41	85.22	85.02
87	86.80	86.61	86.41	86.22	86.02
88	87.80	87.61	87.41	87.22	87.02
89	88.81	88.62	88.43	88.24	88.05
90	89.81	89.62	89.44	89.25	89.06
91	90.81	90.62	90.43	90.24	90.05
92	91.81	91.62	91.43	91.24	91.05
93	92.82	92.65	92.47	92.30	92.12
94	93.83	93.65	93.48	93.30	93.13
95	94.83	94.66	94.49	94.32	94.15
96	95.83	95.67	95.50	95.34	95.17
97	96.84	96.67	96.51	96.34	96.18
98	97.84	97.67	97.51	97.34	97.18
99	98.84	98.68	98.52	98.36	98.20
100	99.84	99.68	99.53	99.37	99.21

66°—70°

COMMERCIAL VALUE.

Indica- tion-	66°	67°	68°	69°	70°
1	0.75	0.71	0.68	0.64	0.61
2	1.69	1.65	1.60	1.56	1.51
3	2.68	2.62	2.57	2.51	2.46
4	3.66	3.60	3.54	3.48	3.42
5	4.61	4.55	4.48	4.42	4.35
6	5.59	5.51	5.44	5.36	5.29
7	6.56	6.49	6.41	6.34	6.26
8	7.54	7.46	7.38	7.30	7.22
9	8.52	8.44	8.35	8.27	8.18
10	9.45	9.35	9.25	9.16	9.06
11	10.42	10.32	10.21	10.11	10.01
12	11.39	11.28	11.18	11.07	10.96
13	12.35	12.24	12.12	12.01	11.90
14	13.30	13.18	13.05	12.93	12.81
15	14.24	14.11	13.98	13.85	13.72
16	15.20	15.07	14.93	14.80	14.66
17	16.16	16.02	15.87	15.73	15.59
18	17.11	16.96	16.80	16.65	16.50
19	18.04	17.88	17.72	17.56	17.40
20	18.97	18.80	18.64	18.47	18.30
21	19.91	19.73	19.56	19.38	19.20
22	20.85	20.66	20.47	20.28	20.09
23	21.81	21.62	21.42	21.23	21.04
24	22.79	22.60	22.40	22.21	22.02
25	23.77	23.58	23.38	23.19	22.99

66°—70°

COMMERCIAL VALUE.

Indica- tion.	66°	67°	68°	69°	70°
26	24.74	24.53	24.33	24.12	23.92
27	25.70	25.50	25.29	25.09	24.89
28	26.69	26.49	26.28	26.08	25.87
29	27.66	27.45	27.24	27.03	26.82
30	28.64	28.43	28.23	28.02	27.81
31	29.66	29.44	29.23	29.01	28.80
32	30.62	30.41	30.20	29.99	29.78
33	31.63	31.42	31.20	30.99	30.77
34	32.62	32.41	32.19	31.98	31.76
35	33.62	33.40	33.19	32.97	32.76
36	34.63	34.41	34.19	33.97	33.75
37	35.59	35.37	35.16	34.94	34.72
38	36.60	36.37	36.15	35.92	35.70
39	37.58	37.37	37.15	36.94	36.72
40	38.64	38.42	38.21	37.99	37.77
41	39.62	39.41	39.19	38.98	38.76
42	40.63	40.41	40.20	39.98	39.76
43	41.62	41.41	41.19	40.98	40.76
44	42.63	42.41	42.20	41.98	41.76
45	43.63	43.41	43.20	42.98	42.76
46	44.65	44.43	44.22	44.00	43.79
47	45.66	45.44	45.23	45.01	44.79
48	46.65	46.44	46.22	46.01	45.79
49	47.65	47.43	47.22	47.00	46.78
50	48.65	48.44	48.23	48.02	47.81

66°—70°

COMMERCIAL VALUE.

Indica- tion.	66°	67°	68°	69°	70°
51	49.69	49.48	49.26	49.05	48.84
52	50.68	50.47	50.25	50.04	49.82
53	51.68	51.46	51.25	51.03	50.82
54	52.68	52.47	52.25	52.04	51.82
55	53.68	53.47	53.25	53.04	52.83
56	54.69	54.47	54.26	54.04	53.83
57	55.69	55.48	55.26	55.05	54.84
58	56.69	56.48	56.27	56.06	55.85
59	57.71	57.50	57.28	57.07	56.86
60	58.70	58.49	58.28	58.07	57.86
61	59.70	59.49	59.27	59.06	58.85
62	60.69	60.48	60.26	60.05	59.83
63	61.70	61.49	61.27	61.06	60.85
64	62.70	62.49	62.27	62.06	61.85
65	63.71	63.50	63.30	63.09	62.88
66	64.71	64.50	64.30	64.09	63.88
67	65.71	65.50	65.28	65.07	64.86
68	66.70	66.50	66.29	66.09	65.88
69	67.72	67.52	67.31	67.11	66.90
70	68.72	68.51	68.31	68.10	67.89
71	69.73	69.52	69.31	69.10	68.89
72	70.73	70.52	70.31	70.10	69.89
73	71.73	71.53	71.32	71.12	70.91
74	72.74	72.53	72.33	72.12	71.91
75	73.74	73.54	73.33	73.13	72.92

66°—70°

COMMERCIAL VALUE.

Indica- tion.	66°	67°	68°	69°	70°
76	74.75	74.54	74.34	74.13	73.92
77	75.75	75.55	75.34	75.14	74.94
78	76.77	76.56	76.36	76.15	75.95
79	77.77	77.56	77.36	77.15	76.95
80	78.76	78.56	78.36	78.16	77.96
81	79.78	79.58	79.37	79.17	78.97
82	80.78	80.58	80.38	80.18	79.98
83	81.78	81.58	81.39	81.19	80.99
84	82.78	82.58	82.39	82.19	81.99
85	83.78	83.59	83.39	83.20	83.00
86	84.83	84.63	84.44	84.24	84.05
87	85.83	85.64	85.45	85.26	85.07
88	86.83	86.64	86.46	86.27	86.08
89	87.86	87.67	87.49	87.30	87.11
90	88.88	88.69	88.51	88.32	88.14
91	89.87	89.68	89.50	89.31	89.13
92	90.87	90.69	90.51	90.33	90.15
93	91.94	91.77	91.59	91.42	91.24
94	92.96	92.79	92.62	92.45	92.28
95	93.98	93.81	93.65	93.48	93.31
96	95.00	94.83	94.66	94.49	94.32
97	96.02	95.85	95.69	95.52	95.36
98	97.02	96.86	96.71	96.55	96.39
99	98.04	97.88	97.73	97.57	97.41
100	99.06	98.91	98.76	98.61	98.46

71°—75°

COMMERCIAL VALUE.

Indica- tion.	71°	72°	73°	74°	75°
1	0·58	0·56	0·53	0·51	0·48
2	1·47	1·43	1·38	1·34	1·30
3	2·41	2·35	2·30	2·24	2·19
4	3·36	3·30	3·24	3·18	3·12
5	4·28	4·21	4·13	4·06	3·99
6	5·21	5·14	5·06	4·99	4·91
7	6·18	6·10	6·01	5·93	5·85
8	7·14	7·05	6·97	6·88	6·80
9	8·08	7·99	7·89	7·80	7·70
10	8·96	8·86	8·77	8·67	8·57
11	9·90	9·80	9·69	9·59	9·48
12	10·85	10·74	10·63	10·52	10·41
13	11·78	11·66	11·53	11·41	11·29
14	12·68	12·55	12·42	12·29	12·16
15	13·59	13·46	13·33	13·20	13·07
16	14·52	14·38	14·24	14·10	13·96
17	15·44	15·29	15·15	15·00	14·85
18	16·35	16·20	16·04	15·89	15·74
19	17·24	17·08	16·92	16·76	16·60
20	18·13	17·96	17·80	17·63	17·46
21	19·02	18·84	18·66	18·48	18·30
22	19·90	19·72	19·53	19·35	19·16
23	20·86	20·67	20·49	20·30	20·12
24	21·83	21·64	21·46	21·27	21·08
25	22·80	22·61	22·42	22·23	22·04

71°—75°

COMMERCIAL VALUE.

Indica- tion.	71°	72°	73°	74°	75°
26	23.73	23.54	23.36	23.17	22.98
27	24.70	24.50	24.31	24.11	23.92
28	25.68	25.48	25.29	25.09	24.90
29	26.63	26.44	26.24	26.05	25.86
30	27.61	27.41	27.22	27.02	26.82
31	28.60	28.41	28.21	28.02	27.82
32	29.58	29.38	29.19	28.99	28.79
33	30.57	30.37	30.17	29.97	29.77
34	31.56	31.36	31.17	30.97	30.77
35	32.56	32.35	32.15	31.94	31.74
36	33.55	33.35	33.14	32.94	32.74
37	34.51	34.30	34.10	33.89	33.68
38	35.49	35.29	35.08	34.88	34.67
39	36.52	36.31	36.11	35.90	35.70
40	37.56	37.36	37.15	36.95	36.74
41	38.56	38.35	38.15	37.94	37.74
42	39.55	39.35	39.14	38.94	38.73
43	40.55	40.34	40.14	39.93	39.72
44	41.55	41.34	41.14	40.93	40.72
45	42.56	42.36	42.15	41.95	41.75
46	43.58	43.38	43.17	42.97	42.76
47	44.58	44.37	44.17	43.96	43.75
48	45.58	45.38	45.17	44.97	44.76
49	46.58	46.38	46.17	45.97	45.77
50	47.61	47.40	47.20	46.99	46.79

71°—75°

COMMERCIAL VALUE.

Indica- tion.	71°	72°	73°	74°	75°
51	48.63	48.43	48.22	48.02	47.81
52	49.62	49.41	49.21	49.00	48.80
53	50.61	50.41	50.20	50.00	49.79
54	51.61	51.41	51.20	51.00	50.79
55	52.62	52.42	52.21	52.01	51.80
56	53.62	53.42	53.21	53.01	52.80
57	54.64	54.43	54.23	54.02	53.82
58	55.65	55.45	55.24	55.04	54.84
59	56.65	56.45	56.24	56.04	55.83
60	57.65	57.44	57.24	57.03	56.82
61	58.64	58.43	58.23	58.02	57.81
62	59.62	59.42	59.21	59.01	58.80
63	60.64	60.44	60.23	60.03	59.82
64	61.65	61.45	61.24	61.04	60.84
65	62.67	62.47	62.26	62.06	61.85
66	63.67	63.47	63.26	63.06	62.85
67	64.66	64.46	64.26	64.06	63.86
68	65.68	65.47	65.27	65.06	64.86
69	66.70	66.50	66.29	66.09	65.89
70	67.69	67.48	67.28	67.07	66.87
71	68.69	68.48	68.28	68.07	67.87
72	69.69	69.49	69.28	69.08	68.88
73	70.71	70.51	70.30	70.10	69.90
74	71.71	71.51	71.30	71.10	70.90
75	72.72	72.52	72.31	72.11	71.91

71°—75°

COMMERCIAL VALUE.

Indica- tion.	71°	72°	73°	74°	75°
76	73.72	73.52	73.33	73.13	72.93
77	74.74	74.54	74.33	74.13	73.93
78	75.75	75.55	75.36	75.16	74.96
79	76.75	76.55	76.36	76.16	75.96
80	77.76	77.56	77.37	77.17	76.97
81	78.77	78.58	78.38	78.19	77.99
82	79.78	79.58	79.39	79.19	78.99
83	80.79	80.60	80.40	80.21	80.01
84	81.80	81.61	81.41	81.22	81.03
85	82.81	82.62	82.44	82.25	82.06
86	83.86	83.67	83.48	83.29	83.10
87	84.88	84.69	84.49	84.30	84.11
88	85.89	85.71	85.52	85.34	85.15
89	86.93	86.74	86.56	86.37	86.19
90	87.95	87.77	87.58	87.40	87.21
91	88.94	88.76	88.57	88.39	88.20
92	89.98	89.81	89.63	89.46	89.29
93	91.07	90.90	90.73	90.56	90.39
94	92.11	91.94	91.78	91.61	91.44
95	93.14	92.98	92.81	92.65	92.48
96	94.16	94.00	93.84	93.68	93.52
97	95.20	95.04	94.89	94.73	94.57
98	96.23	96.07	95.92	95.76	95.60
99	97.26	97.10	96.95	96.79	96.62
100	98.31	98.15	98.00	97.84	97.66

76°—80°

COMMERCIAL VALUE.

Indica- tion.	76°	77°	78°	79°	80°
1	0·46	0·44	0·43	0·41	0·39
2	1·26	1·23	1·19	1·16	1·12
3	2·14	2·09	2·05	2·00	1·95
4	3·06	3·00	2·93	2·87	2·81
5	3·92	3·85	3·79	3·72	3·65
6	4·83	4·76	4·68	4·61	4·53
7	5·77	5·69	5·60	5·52	5·44
8	6·71	6·62	6·54	6·45	6·36
9	7·60	7·50	7·41	7·31	7·21
10	8·47	8·36	8·26	8·15	8·05
11	9·37	9·26	9·16	9·05	8·94
12	10·29	10·18	10·06	9·95	9·83
13	11·17	11·04	10·92	10·79	10·67
14	12·03	11·91	11·78	11·66	11·53
15	12·93	12·80	12·66	12·53	12·39
16	13·82	13·68	13·53	13·39	13·25
17	14·71	14·56	14·42	14·27	14·13
18	15·59	15·44	15·29	15·14	14·99
19	16·44	16·29	16·13	15·98	15·82
20	17·29	17·13	16·96	16·80	16·63
21	18·13	17·96	17·78	17·61	17·44
22	18·99	18·82	18·64	18·47	18·30
23	19·94	19·76	19·59	19·41	19·23
24	20·90	20·72	20·54	20·36	20·18
25	21·86	21·69	21·51	21·34	21·16

76°—80°

COMMERCIAL VALUE.

Indica- tion.	76°	77°	78°	79°	80°
26	22.80	22.62	22.44	22.26	22.08
27	23.74	23.56	23.38	23.20	23.02
28	24.72	24.54	24.35	24.17	23.99
29	25.68	25.49	25.31	25.12	24.94
30	26.64	26.46	26.28	26.10	25.92
31	27.64	27.46	27.27	27.09	26.91
32	28.61	28.42	28.24	28.05	27.87
33	29.59	29.40	29.22	29.03	28.85
34	30.58	30.39	30.21	30.02	29.83
35	31.55	31.36	31.17	30.98	30.79
36	32.55	32.35	32.16	31.96	31.77
37	33.49	33.30	33.11	32.92	32.73
38	34.48	34.28	34.09	33.89	33.70
39	35.51	35.32	35.12	34.93	34.74
40	36.55	36.36	36.16	35.97	35.78
41	37.54	37.35	37.15	36.96	36.76
42	38.53	38.34	38.14	37.95	37.75
43	39.52	39.33	39.13	38.94	38.74
44	40.52	40.33	40.13	39.94	39.74
45	41.55	41.35	41.16	40.96	40.76
46	42.56	42.36	42.16	41.96	41.76
47	43.56	43.36	43.17	42.97	42.78
48	44.56	44.37	44.17	43.98	43.78
49	45.57	45.38	45.18	44.99	44.79
50	46.59	46.39	46.20	46.00	45.80

76°—80°

COMMERCIAL VALUE.

Indica- tion.	76°	77°	78°	79°	80°
51	47.61	47.42	47.22	47.03	46.83
52	48.60	48.40	48.20	48.00	47.80
53	49.59	49.39	49.20	49.00	48.80
54	50.59	50.39	50.19	49.99	49.79
55	51.60	51.40	51.19	50.99	50.79
56	52.60	52.41	52.21	52.02	51.82
57	53.62	53.42	53.22	53.02	52.82
58	54.64	54.43	54.23	54.02	53.82
59	55.63	55.43	55.22	55.02	54.82
60	56.62	56.42	56.22	56.02	55.82
61	57.61	57.41	57.20	57.00	56.80
62	58.60	58.40	58.19	57.99	57.79
63	59.62	59.42	59.22	59.02	58.82
64	60.64	60.44	60.24	60.04	59.84
65	61.65	61.45	61.26	61.06	60.86
66	62.65	62.45	62.26	62.06	61.86
67	63.66	63.46	63.26	63.06	62.86
68	64.66	64.47	64.27	64.08	63.88
69	65.69	65.49	65.28	65.08	64.88
70	66.67	66.47	66.27	66.07	65.87
71	67.67	67.47	67.28	67.08	66.88
72	68.68	68.48	68.29	68.09	67.89
73	69.70	69.50	69.30	69.10	68.90
74	70.70	70.50	70.31	70.11	69.91
75	71.71	71.51	71.30	71.10	70.92

76°—80°

COMMERCIAL VALUE.

Indica- tion.	76°	77°	78°	79°	80°
76	72.73	72.53	72.34	72.14	71.94
77	73.73	73.54	73.34	73.15	72.95
78	74.76	74.57	74.37	74.18	73.98
79	75.77	75.57	75.38	75.18	74.99
80	76.78	76.58	76.39	76.19	76.00
81	77.80	77.61	77.41	77.22	77.03
82	78.80	78.61	78.41	78.22	78.03
83	79.82	79.63	79.43	79.24	79.05
84	80.84	80.65	80.47	80.28	80.09
85	81.87	81.69	81.50	81.32	81.13
86	82.91	82.73	82.54	82.36	82.17
87	83.93	83.75	83.56	83.38	83.20
88	84.97	84.79	84.61	84.43	84.25
89	86.01	85.83	85.65	85.47	85.29
90	87.03	86.85	86.66	86.48	86.30
91	88.03	87.86	87.69	87.52	87.35
92	89.12	88.95	88.78	88.61	88.44
93	90.22	90.05	89.89	89.72	89.55
94	91.27	91.11	90.94	90.78	90.61
95	92.32	92.16	91.99	91.83	91.67
96	93.36	93.20	93.05	92.89	92.73
97	94.41	94.25	94.10	93.94	93.78
98	95.43	95.28	95.13	94.97	94.79
99	96.46	96.31	96.15	96.00	95.84
100	97.51	97.35	97.20	97.04	96.89

81°—85°

COMMERCIAL VALUE.

Indica- tion-	81°	82°	83°	84°	85°
1	0·38	0·36	0·35	0·33	0·32
2	1·09	1·06	1·02	0·99	0·96
3	1·91	1·86	1·82	1·77	1·73
4	2·75	2·69	2·64	2·58	2·52
5	3·58	3·52	3·45	3·39	3·32
6	4·46	4·39	4·31	4·24	4·17
7	5·36	5·28	5·21	5·13	5·05
8	6·27	6·18	6·08	5·99	5·90
9	7·11	7·01	6·92	6·82	6·72
10	7·95	7·85	7·75	7·65	7·55
11	8·83	8·73	8·62	8·52	8·41
12	9·71	9·60	9·48	9·37	9·25
13	10·55	10·43	10·31	10·19	10·07
14	11·40	11·27	11·15	11·02	10·89
15	12·26	12·12	11·99	11·85	11·72
16	13·11	12·98	12·84	12·71	12·57
17	13·99	13·84	13·70	13·55	13·41
18	14·84	14·70	14·55	14·41	14·26
19	15·67	15·51	15·36	15·20	15·05
20	16·47	16·31	16·15	15·99	15·83
21	17·28	17·12	16·95	16·79	16·63
22	18·13	17·96	17·79	17·62	17·45
23	19·06	18·99	18·73	18·56	18·39
24	20·01	19·85	19·68	19·52	19·35
25	20·99	20·82	20·65	20·48	20·31

81°—85°

COMMERCIAL VALUE.

Indica- tion.	81 °	82 °	83 °	84 °	85 °
26	21·91	21·74	21·58	21·41	21·24
27	22·85	22·68	22·51	22·34	22·17
28	23·82	23·65	23·47	23·30	23·13
29	24·77	24·60	24·42	24·25	24·08
30	25·75	25·58	25·40	25·23	25·06
31	26·74	26·56	26·39	26·21	26·04
32	27·70	27·52	27·35	27·17	27·00
33	28·67	28·50	28·32	28·15	27·97
34	29·65	29·47	29·29	29·11	28·93
35	30·61	30·43	30·26	30·08	29·90
36	31·59	31·41	31·24	31·06	30·88
37	32·55	32·37	32·20	32·02	31·84
38	33·52	33·34	33·15	32·97	32·79
39	34·56	34·37	34·19	34·00	33·82
40	35·60	35·41	35·23	35·04	34·86
41	36·58	36·39	36·21	36·02	35·84
42	37·57	37·38	37·20	37·01	36·83
43	38·55	38·36	38·18	37·98	37·80
44	39·55	39·36	39·17	38·98	38·79
45	40·57	40·38	40·20	40·01	39·82
46	41·57	41·39	41·20	41·02	40·83
47	42·59	42·40	42·22	42·03	41·84
48	43·59	43·40	43·22	43·03	42·84
49	44·60	44·41	44·23	44·04	43·85
50	45·61	45·43	45·24	45·06	44·87

81°—85°

COMMERCIAL VALUE.

Indica- tion.	81°	82°	83°	84°	85°
51	46.64	46.55	46.26	46.07	45.88
52	47.61	47.42	47.23	47.04	46.85
53	48.61	48.42	48.23	48.04	47.85
54	49.60	49.41	49.21	49.02	48.83
55	50.60	50.41	50.21	50.02	49.83
56	51.63	51.43	51.24	51.04	50.85
57	52.63	52.44	52.24	52.05	51.86
58	53.63	53.44	53.24	53.05	52.86
59	54.63	54.43	54.24	54.04	53.85
60	55.62	55.42	55.23	55.03	54.83
61	56.60	56.41	56.21	56.02	55.82
62	57.60	57.40	57.21	57.01	56.82
63	58.63	58.43	58.24	58.04	57.85
64	59.65	59.45	59.26	59.06	58.87
65	60.67	60.47	60.28	60.08	59.89
66	61.67	61.47	61.28	61.08	60.89
67	62.67	62.47	62.28	62.08	61.89
68	63.68	63.48	63.29	63.09	62.89
69	64.68	64.49	64.29	64.10	63.90
70	65.68	65.48	65.29	65.09	64.90
71	66.69	66.50	66.30	66.11	65.92
72	67.70	67.50	67.31	67.11	66.92
73	68.71	68.51	68.32	68.12	67.93
74	69.72	69.52	69.33	69.13	68.94
75	70.73	70.54	70.35	70.16	69.97

81°—85°

COMMERCIAL VALUE.

Indica- tion.	81°	82°	83°	84°	85°
76	71·75	71·56	71·36	71·17	70·98
77	72·76	72·57	72·38	72·19	72·00
78	73·79	73·60	73·40	73·21	73·02
79	74·80	74·61	74·41	74·22	74·03
80	75·81	75·62	75·43	75·24	75·05
81	76·84	76·65	76·45	76·26	76·07
82	77·84	77·65	77·47	77·28	77·09
83	78·87	78·69	78·50	78·32	78·14
84	79·91	79·73	79·54	79·36	79·18
85	80·95	80·76	80·58	80·39	80·21
86	81·99	81·81	81·63	81·45	81·27
87	83·02	82·85	82·67	82·50	82·32
88	84·07	83·89	83·72	83·54	83·36
89	85·11	84·93	84·76	84·58	84·40
90	86·13	85·96	85·78	85·61	85·44
91	87·18	87·01	86·85	86·68	86·51
92	88·27	88·11	87·94	87·78	87·61
93	89·38	89·22	89·05	88·89	88·72
94	90·45	90·29	90·12	89·96	89·80
95	91·50	91·34	91·17	91·01	90·84
96	92·57	92·40	92·24	92·07	91·91
97	93·62	93·47	93·29	93·13	92·97
98	94·64	94·48	94·33	94·17	94·02
99	95·69	95·54	95·38	95·23	95·08
100	96·74	96·59	96·45	96·30	96·15

86°—90°

COMMERCIAL VALUE.

Indica- tion.	86°	87°	88°	89°	90°
1	0.31	0.30	0.29	0.28	0.27
2	0.93	0.91	0.88	0.86	0.83
3	1.69	1.65	1.60	1.56	1.52
4	2.47	2.41	2.36	2.30	2.25
5	3.26	3.20	3.13	3.07	3.01
6	4.10	4.03	3.97	3.90	3.83
7	4.97	4.89	4.81	4.73	4.65
8	5.81	5.72	5.63	5.54	5.45
9	6.63	6.54	6.44	6.35	6.26
10	7.45	7.35	7.26	7.16	7.06
11	8.30	8.19	8.09	7.98	7.87
12	9.13	9.02	8.90	8.79	8.67
13	9.95	9.83	9.71	9.59	9.47
14	10.77	10.65	10.52	10.40	10.28
15	11.59	11.46	11.34	11.21	11.08
16	12.44	12.30	12.17	12.03	11.90
17	13.27	13.13	13.00	12.86	12.72
18	14.12	13.97	13.83	13.68	13.54
19	14.90	14.75	14.61	14.46	14.31
20	15.68	15.53	15.38	15.23	15.08
21	16.47	16.32	16.16	16.01	15.85
22	17.29	17.13	16.98	16.82	16.66
23	18.23	18.07	17.92	17.76	17.60
24	19.19	19.03	18.87	18.71	18.55
25	20.15	20.00	19.84	19.69	19.53

86°—90°

COMMERCIAL VALUE.

Indica- tion.	86°	87°	88°	89°	90°
26	21.08	20.92	20.77	20.61	20.45
27	22.01	21.85	21.70	21.54	21.38
28	22.97	22.81	22.65	22.49	22.33
29	23.92	23.76	23.59	23.43	23.27
30	24.90	24.74	24.57	24.41	24.25
31	25.88	25.71	25.55	25.38	25.22
32	26.84	26.67	26.51	26.34	26.18
33	27.80	27.63	27.47	27.30	27.13
34	28.76	28.59	28.43	28.26	28.09
35	29.73	29.57	29.40	29.24	29.07
36	30.71	30.54	30.38	30.21	30.04
37	31.67	31.50	31.32	31.15	30.98
38	32.62	32.45	32.28	32.11	31.94
39	33.65	33.47	33.30	33.12	32.95
40	34.69	34.51	34.34	34.16	33.99
41	35.67	35.50	35.32	35.15	34.98
42	36.65	36.48	36.30	36.13	35.95
43	37.62	37.44	37.27	37.09	36.91
44	38.61	38.43	38.25	38.07	37.89
45	39.64	39.46	39.28	39.10	38.92
46	40.65	40.48	40.30	40.13	39.95
47	41.66	41.48	41.30	41.12	40.94
48	42.66	42.48	42.29	42.11	41.93
49	43.67	43.49	43.30	43.12	42.94
50	44.69	44.50	44.32	44.13	43.95

86°—90°

COMMERCIAL VALUE.

Indica- tion.	86°	87°	88°	89°	90°
51	45.70	45.51	45.33	45.14	44.96
52	46.67	46.48	46.30	46.11	45.93
53	47.66	47.48	47.29	47.11	46.92
54	48.65	48.46	48.28	48.09	47.91
55	49.64	49.46	49.27	49.09	48.90
56	50.66	50.47	50.29	50.10	49.91
57	51.67	51.48	51.30	51.11	50.92
58	52.67	52.48	52.30	52.11	51.92
59	53.66	53.47	53.28	53.09	52.90
60	54.64	54.46	54.27	54.09	53.90
61	55.63	55.44	55.25	55.06	54.87
62	56.63	56.44	56.25	56.06	55.87
63	57.66	57.47	57.28	57.09	56.90
64	58.68	58.49	58.31	58.12	57.93
65	59.70	59.52	59.33	59.15	58.96
66	60.70	60.51	60.33	60.14	59.95
67	61.69	61.49	61.30	61.10	60.90
68	62.70	62.51	62.31	62.12	61.93
69	63.71	63.52	63.33	63.14	62.95
70	64.71	64.52	64.33	64.14	63.95
71	65.73	65.54	65.36	65.17	64.98
72	66.73	66.54	66.36	66.17	65.98
73	67.74	67.55	67.37	67.18	66.99
74	68.75	68.56	68.38	68.19	68.00
75	69.78	69.59	69.40	69.21	69.02

86°—90°

COMMERCIAL VALUE.

Indica- tion.	86°	87°	88°	89°	90°
76	70.79	70.60	70.42	70.23	70.04
77	71.81	71.62	71.44	71.25	71.06
78	72.82	72.64	72.45	72.27	72.09
79	73.84	73.65	73.47	73.28	73.09
80	74.86	74.68	74.49	74.31	74.12
81	75.88	75.70	75.51	75.33	75.14
82	76.91	76.73	76.55	76.37	76.19
83	77.96	77.78	77.61	77.43	77.25
84	79.00	78.82	78.64	78.46	78.28
85	80.03	79.85	79.68	79.50	79.32
86	81.09	80.92	80.74	80.57	80.39
87	82.15	81.97	81.80	81.62	81.45
88	83.18	83.00	82.83	82.65	82.47
89	84.23	84.05	83.88	83.70	83.53
90	85.27	85.11	84.94	84.78	84.61
91	86.35	86.19	86.02	85.86	85.70
92	87.45	87.29	87.12	86.96	86.80
93	88.56	88.40	88.24	88.08	87.92
94	89.64	89.48	89.32	89.16	89.00
95	90.68	90.53	90.37	90.22	90.06
96	91.75	91.59	91.44	91.28	91.12
97	92.81	92.66	92.50	92.35	92.19
98	93.87	93.71	93.56	93.40	93.25
99	94.92	94.76	94.61	94.45	94.29
100	96.00	95.84	95.69	95.53	95.38

91°—95°

COMMERCIAL VALUE.

Indica- tion.	91°	92°	93°	94°	95°
1	0.26	0.25	0.24	0.23	0.22
2	0.81	0.79	0.76	0.74	0.72
3	1.48	1.44	1.41	1.37	1.33
4	2.20	2.15	2.11	2.06	2.01
5	2.96	2.90	2.85	2.79	2.74
6	3.76	3.70	3.63	3.57	3.50
7	4.57	4.49	4.42	4.34	4.26
8	5.36	5.28	5.19	5.11	5.02
9	6.17	6.08	5.98	5.89	5.80
10	6.96	6.86	6.77	6.67	6.57
11	7.76	7.66	7.55	7.44	7.34
12	8.56	8.45	8.34	8.23	8.12
13	9.35	9.24	9.12	9.01	8.89
14	10.16	10.04	9.91	9.79	9.67
15	10.96	10.83	10.71	10.58	10.46
16	11.77	11.64	11.51	11.38	11.25
17	12.59	12.45	12.32	12.18	12.05
18	13.40	13.26	13.13	12.99	12.85
19	14.17	14.03	13.89	13.75	13.61
20	14.94	14.79	14.65	14.50	14.36
21	15.70	15.56	15.41	15.27	15.12
22	16.51	16.36	16.22	16.07	15.92
23	17.45	17.30	17.15	17.00	16.85
24	18.40	18.26	18.11	17.97	17.82
25	19.38	19.24	19.09	18.95	18.80

91°—95°

COMMERCIAL VALUE.

Indica- tion.	91°	92°	93°	94°	95°
26	20·30	20·15	20·00	19·85	19·70
27	21·23	21·08	20·93	20·78	20·63
28	22·18	22·03	21·87	21·72	21·57
29	23·12	22·97	22·83	22·68	22·53
30	24·10	23·95	23·79	23·64	23·49
31	25·06	24·90	24·74	24·58	24·42
32	26·02	25·86	25·71	25·55	25·39
33	26·98	26·82	26·67	26·51	26·36
34	27·94	27·78	27·63	27·47	27·32
35	28·91	28·75	28·60	28·44	28·28
36	29·88	29·72	29·56	29·40	29·24
37	30·82	30·66	30·49	30·33	30·17
38	31·77	31·61	31·44	31·28	31·11
39	32·79	32·62	32·46	32·29	32·13
40	33·83	33·67	33·50	33·34	33·18
41	34·81	34·65	34·48	34·32	34·15
42	35·78	35·62	35·45	35·29	35·12
43	36·74	36·57	36·40	36·23	36·06
44	37·72	37·55	37·38	37·21	37·04
45	38·75	38·58	38·41	38·24	38·07
46	39·78	39·60	39·43	39·25	39·08
47	40·77	40·59	40·42	40·24	40·07
48	41·76	41·59	41·41	41·24	41·07
49	42·77	42·59	42·42	42·24	42·07
50	43·77	43·60	43·42	43·25	43·07

91°—95°

COMMERCIAL VALUE.

Indica- tion.	91°	92°	93°	94°	95°
51	44.78	44.60	44.43	44.25	44.07
52	45.75	45.57	45.40	45.22	45.04
53	46.74	46.56	46.39	46.21	46.03
54	47.73	47.55	47.38	47.20	47.02
55	48.72	48.54	48.35	48.17	47.99
56	49.73	49.54	49.36	49.17	48.99
57	50.74	50.56	50.37	50.19	50.01
58	51.74	51.56	51.37	51.19	51.01
59	52.72	52.54	52.36	52.18	52.00
60	53.72	53.53	53.35	53.16	52.98
61	54.69	54.51	54.32	54.14	53.96
62	55.68	55.50	55.31	55.13	54.94
63	56.72	56.54	56.35	56.17	55.99
64	57.75	57.57	57.39	57.21	57.03
65	58.78	58.60	58.41	58.23	58.05
66	59.77	59.59	59.40	59.22	59.04
67	60.72	60.55	60.37	60.20	60.02
68	61.75	61.56	61.38	61.19	61.01
69	62.76	62.57	62.39	62.20	62.01
70	63.76	63.58	63.39	63.21	63.02
71	64.79	64.61	64.42	64.24	64.05
72	65.79	65.61	65.42	65.24	65.05
73	66.81	66.62	66.44	66.25	66.07
74	67.82	67.63	67.45	67.26	67.08
75	68.84	68.65	68.47	68.28	68.10

91°—95°

COMMERCIAL VALUE.

Indica- tion.	91°	92°	93°	94°	95°
76	69.86	69.67	69.49	69.30	69.12
77	70.88	70.69	70.51	70.32	70.14
78	71.91	71.72	71.54	71.35	71.17
79	72.91	72.73	72.55	72.37	72.19
80	73.94	73.75	73.57	73.38	73.20
81	74.96	74.78	74.61	74.43	74.25
82	76.01	75.83	75.66	75.48	75.30
83	77.07	76.89	76.72	76.54	76.36
84	78.10	77.93	77.75	77.58	77.40
85	79.15	78.97	78.80	78.62	78.45
86	80.22	80.04	79.87	79.69	79.52
87	81.27	81.09	80.92	80.74	80.56
88	82.30	82.12	81.95	81.77	81.60
89	83.37	83.20	83.04	82.87	82.71
90	84.45	84.29	84.12	83.96	83.80
91	85.54	85.38	85.21	85.05	84.89
92	86.64	86.48	86.33	86.17	86.01
93	87.76	87.60	87.45	87.29	87.13
94	88.85	88.69	88.54	88.38	88.21
95	89.91	89.75	89.60	89.44	89.29
96	90.97	90.82	90.67	90.52	90.37
97	92.04	91.89	91.74	91.59	91.44
98	93.10	92.95	92.81	92.66	92.51
99	94.15	94.01	93.87	93.73	93.59
100	95.24	95.09	94.95	94.80	94.66

96°—100°

COMMERCIAL VALUE.

Indica- tion-	96°	97°	98°	99°	100°
1	0·21	0·21	0·20	0·20	0·19
2	0·70	0·68	0·66	0·64	0·62
3	1·30	1·27	1·24	1·21	1·18
4	1·97	1·93	1·89	1·85	1·81
5	2·69	2·64	2·58	2·53	2·48
6	3·44	3·37	3·31	3·24	3·18
7	4·19	4·12	4·04	3·97	3·90
8	4·94	4·86	4·79	4·71	4·63
9	5·71	5·63	5·54	5·46	5·37
10	6·47	6·38	6·28	6·19	6·09
11	7·24	7·14	7·04	6·94	6·84
12	8·01	7·91	7·80	7·70	7·59
13	8·78	8·67	8·56	8·45	8·34
14	9·55	9·44	9·32	9·21	9·09
15	10·34	10·22	10·10	9·98	9·86
16	11·13	11·00	10·88	10·75	10·63
17	11·92	11·80	11·67	11·55	11·42
18	12·72	12·59	12·47	12·34	12·21
19	13·48	13·35	13·21	13·08	12·95
20	14·24	14·09	13·95	13·82	13·68
21	14·98	14·85	14·71	14·58	14·44
22	15·78	15·64	15·51	15·37	15·23
23	16·72	16·58	16·45	16·31	16·18
24	17·68	17·54	17·41	17·27	17·13
25	18·66	18·52	18·39	18·25	18·11

96°—100°

COMMERCIAL VALUE.

Indica- tion.	96°	97°	98°	99°	100°
26	19.57	19.43	19.30	19.16	19.03
27	20.49	20.35	20.22	20.08	19.94
28	21.43	21.29	21.16	21.02	20.88
29	22.39	22.24	22.10	21.95	21.81
30	23.35	23.20	23.06	22.91	22.77
31	24.28	24.14	24.01	23.87	23.73
32	25.25	25.11	24.96	24.82	24.68
33	26.21	26.07	25.92	25.78	25.63
34	27.17	27.02	26.88	26.73	26.58
35	28.13	27.98	27.83	27.68	27.53
36	29.09	28.93	28.78	28.62	28.47
37	30.02	29.86	29.71	29.55	29.40
38	30.95	30.79	30.64	30.48	30.32
39	31.98	31.82	31.67	31.51	31.36
40	33.02	32.86	32.71	32.55	32.39
41	33.99	33.83	33.68	33.52	33.36
42	34.96	34.80	34.63	34.47	34.31
43	35.90	35.74	35.58	35.42	35.26
44	36.88	36.72	36.56	36.40	36.24
45	37.91	37.75	37.58	37.42	37.26
46	38.91	38.75	38.58	38.42	38.25
47	39.90	39.74	39.57	39.41	39.24
48	40.90	40.74	40.57	40.41	40.24
49	41.90	41.73	41.56	41.39	41.22
50	42.90	42.73	42.56	42.39	42.22

96°—100°

COMMERCIAL VALUE.

Indica- tion.	96°	97°	98°	99°	100°
51	43.90	43.73	43.57	43.40	43.23
52	44.87	44.70	44.53	44.36	44.19
53	45.86	45.69	45.51	45.34	45.17
54	46.84	46.67	46.49	46.32	46.14
55	47.81	47.63	47.46	47.28	47.10
56	48.81	48.64	48.46	48.29	48.11
57	49.83	49.65	49.48	49.30	49.12
58	50.84	50.67	50.50	50.33	50.16
59	51.82	51.64	51.47	51.29	51.11
60	52.80	52.62	52.45	52.27	52.09
61	53.78	53.60	53.43	53.25	53.07
62	54.76	54.58	54.41	54.23	54.05
63	55.81	55.63	55.46	55.28	55.10
64	56.85	56.67	56.50	56.32	56.14
65	57.87	57.69	57.52	57.34	57.16
66	58.86	58.68	58.50	58.32	58.14
67	59.84	59.66	59.48	59.30	59.12
68	60.83	60.64	60.46	60.27	60.09
69	61.83	61.64	61.46	61.27	61.09
70	62.84	62.66	62.48	62.30	62.12
71	63.87	63.69	63.50	63.32	63.14
72	64.87	64.69	64.52	64.34	64.16
73	65.89	65.71	65.53	65.35	65.17
74	66.90	66.72	66.54	66.36	66.18
75	67.92	67.74	67.56	67.38	67.20

96°—100°

COMMERCIAL VALUE.

Indica- tion.	96°	97°	98°	99°	100°
76	68.94	68.76	68.58	68.40	68.22
77	69.96	69.78	69.60	69.42	69.24
78	70.99	70.81	70.64	70.46	70.28
79	72.01	71.83	71.65	71.47	71.29
80	73.02	72.85	72.67	72.50	72.32
81	74.07	73.90	73.72	73.55	73.37
82	75.13	74.95	74.78	74.60	74.43
83	76.19	76.02	75.84	75.67	75.50
84	77.23	77.06	76.90	76.73	76.56
85	78.28	78.11	77.95	77.78	77.61
86	79.35	79.18	79.01	78.84	78.67
87	80.39	80.22	80.04	79.87	79.70
88	81.44	81.28	81.12	80.96	80.80
89	82.55	82.39	82.23	82.07	81.91
90	83.64	83.48	83.33	83.17	83.01
91	84.73	84.57	84.42	84.26	84.10
92	85.85	85.69	85.54	85.38	85.22
93	86.98	86.82	86.67	86.51	86.36
94	88.06	87.90	87.75	87.59	87.44
95	89.14	88.98	88.83	88.67	88.52
96	90.22	90.07	89.91	89.76	89.61
97	91.29	91.14	90.99	90.84	90.69
98	92.36	92.22	92.07	92.93	91.78
99	93.44	93.29	93.14	92.99	92.84
100	94.51	94.36	94.21	94.06	93.91

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