

Density-Strength Conversion Table for Sulfuric Acid Solutions at 60° F

When density has been determined at temperatures other than 60° F, a temperature correction must be made. The correction procedure and necessary correction factors are given starting on page 20.

| Degrees Baumé | Specific Gravity 60 /60 F | Density In Pounds per Gallon | Per Cent H2SO4 | Per Cent 66 Bé Acid | Degrees Baumé | Specific Gravity 60 /60 F | Density In Pounds Per Gallon | Percent H2SO4 | Per Cent 66 Bé Acid |
|---------------|---------------------------|------------------------------|----------------|---------------------|---------------|---------------------------|------------------------------|---------------|---------------------|
| 0.0 | 1.0000 | 8.338 | 0.00 | 0.00 | 23.5 | 1.1934 | 9.939 | 26.42 | 28.34 |
| 1.0 | 1.0069 | 8.395 | 1.02 | 1.09 | 23.6 | 1.1944 | 9.947 | 26.54 | 28.48 |
| 2.0 | 1.0140 | 8.455 | 2.08 | 2.23 | 23.7 | 1.1954 | 9.955 | 26.66 | 28.61 |
| 3.0 | 1.0211 | 8.515 | 3.13 | 3.36 | 23.8 | 1.1964 | 9.963 | 26.79 | 28.74 |
| 4.0 | 1.0284 | 8.575 | 4.21 | 4.52 | 23.9 | 1.1974 | 9.972 | 26.91 | 28.86 |
| 5.0 | 1.0357 | 8.636 | 5.28 | 5.67 | 24.0 | 1.1983 | 9.980 | 27.03 | 29.00 |
| 6.0 | 1.0432 | 8.697 | 6.37 | 6.84 | 24.1 | 1.1993 | 9.988 | 27.15 | 29.13 |
| 7.0 | 1.0507 | 8.734 | 7.45 | 7.99 | 24.2 | 1.2003 | 9.996 | 27.28 | 29.27 |
| 8.0 | 1.0584 | 8.825 | 8.55 | 9.17 | 24.3 | 1.2013 | 10.005 | 27.40 | 29.40 |
| 9.0 | 1.0662 | 8.890 | 9.66 | 10.37 | 24.4 | 1.2023 | 10.013 | 27.53 | 29.54 |
| 10.0 | 1.0741 | 8.956 | 10.77 | 11.56 | 24.5 | 1.2033 | 10.021 | 27.65 | 29.67 |
| 11.0 | 1.0821 | 9.023 | 11.89 | 12.76 | 24.6 | 1.2043 | 10.030 | 27.78 | 29.80 |
| 12.0 | 1.0902 | 9.091 | 13.01 | 13.96 | 24.7 | 1.2053 | 10.038 | 27.90 | 29.94 |
| 13.0 | 1.0985 | 9.159 | 14.13 | 15.16 | 24.8 | 1.2063 | 10.046 | 28.03 | 30.07 |
| 14.0 | 1.1069 | 9.230 | 15.25 | 16.36 | 24.9 | 1.2073 | 10.055 | 28.15 | 30.21 |
| 15.0 | 1.1154 | 9.300 | 16.38 | 17.58 | 25.0 | 1.2083 | 10.063 | 28.28 | 30.34 |
| 16.0 | 1.1240 | 9.372 | 17.53 | 18.81 | 25.1 | 1.2093 | 10.072 | 28.40 | 30.47 |
| 17.0 | 1.1328 | 9.445 | 18.71 | 20.08 | 25.2 | 1.2104 | 10.080 | 28.53 | 30.61 |
| 18.0 | 1.1417 | 9.520 | 19.89 | 21.34 | 25.3 | 1.2114 | 10.089 | 28.65 | 30.74 |
| 19.0 | 1.1508 | 9.596 | 21.07 | 22.61 | 25.4 | 1.2124 | 10.097 | 28.78 | 30.88 |
| 20.0 | 1.1600 | 9.661 | 22.25 | 23.87 | 25.5 | 1.2134 | 10.105 | 28.90 | 31.01 |
| 20.1 | 1.1609 | 9.669 | 22.37 | 24.00 | 25.6 | 1.2144 | 10.114 | 29.03 | 31.15 |
| 20.2 | 1.1619 | 9.676 | 22.49 | 24.12 | 25.7 | 1.2154 | 10.122 | 29.15 | 31.28 |
| 20.3 | 1.1628 | 9.684 | 22.60 | 24.25 | 25.8 | 1.2164 | 10.131 | 29.28 | 31.41 |
| 20.4 | 1.1637 | 9.692 | 22.72 | 24.38 | 25.9 | 1.2175 | 10.139 | 29.40 | 31.55 |
| 20.5 | 1.1647 | 9.700 | 22.84 | 24.50 | 26.0 | 1.2185 | 10.148 | 29.53 | 31.69 |
| 20.6 | 1.1656 | 9.708 | 22.96 | 24.63 | 26.1 | 1.2195 | 10.157 | 29.66 | 31.82 |
| 20.7 | 1.1665 | 9.716 | 23.08 | 24.76 | 26.2 | 1.2205 | 10.165 | 29.78 | 31.96 |
| 20.8 | 1.1675 | 9.723 | 23.19 | 24.89 | 26.3 | 1.2216 | 10.174 | 29.91 | 32.09 |
| 20.9 | 1.1684 | 9.731 | 23.31 | 25.01 | 26.4 | 1.2226 | 10.182 | 30.03 | 32.23 |
| 21.0 | 1.1694 | 9.739 | 23.43 | 25.14 | 26.5 | 1.2236 | 10.191 | 30.16 | 32.36 |
| 21.1 | 1.1703 | 9.747 | 23.55 | 25.27 | 26.6 | 1.2247 | 10.199 | 30.29 | 32.50 |
| 21.2 | 1.1712 | 9.755 | 23.67 | 25.39 | 26.7 | 1.2257 | 10.208 | 30.41 | 32.63 |
| 21.3 | 1.1722 | 9.763 | 23.78 | 25.52 | 26.8 | 1.2267 | 10.217 | 30.54 | 32.77 |
| 21.4 | 1.1731 | 9.771 | 23.90 | 25.65 | 26.9 | 1.2278 | 10.225 | 30.66 | 32.90 |
| 21.5 | 1.1741 | 9.779 | 24.02 | 25.77 | 27.0 | 1.2288 | 10.234 | 30.79 | 33.04 |
| 21.6 | 1.1750 | 9.787 | 24.14 | 25.90 | 27.1 | 1.2299 | 10.242 | 30.92 | 33.17 |
| 21.7 | 1.1760 | 9.794 | 24.26 | 26.03 | 27.2 | 1.2309 | 10.251 | 31.04 | 33.31 |
| 21.8 | 1.1769 | 9.802 | 24.37 | 26.16 | 27.3 | 1.2319 | 10.260 | 31.17 | 33.44 |
| 21.9 | 1.1779 | 9.810 | 24.49 | 26.28 | 27.4 | 1.2330 | 10.269 | 31.29 | 33.58 |
| 22.0 | 1.1789 | 9.818 | 24.61 | 26.41 | 27.5 | 1.2340 | 10.277 | 31.42 | 33.71 |
| 22.1 | 1.1798 | 9.826 | 24.73 | 26.54 | 27.6 | 1.2351 | 10.286 | 31.55 | 33.85 |
| 22.2 | 1.1808 | 9.834 | 24.85 | 26.67 | 27.7 | 1.2361 | 10.295 | 31.67 | 33.98 |
| 22.3 | 1.1817 | 9.842 | 24.97 | 26.79 | 27.8 | 1.2372 | 10.304 | 31.80 | 34.12 |
| 22.4 | 1.1827 | 9.850 | 25.09 | 26.92 | 27.9 | 1.2383 | 10.312 | 31.92 | 34.25 |
| 22.5 | 1.1836 | 9.858 | 25.21 | 27.05 | 28.0 | 1.2393 | 10.321 | 32.05 | 34.39 |
| 22.6 | 1.1846 | 9.866 | 25.33 | 27.18 | 28.1 | 1.2404 | 10.330 | 32.18 | 34.53 |
| 22.7 | 1.1856 | 9.874 | 25.45 | 27.31 | 28.2 | 1.2414 | 10.339 | 32.31 | 34.66 |
| 22.8 | 1.1866 | 9.882 | 25.57 | 27.43 | 28.3 | 1.2425 | 10.348 | 32.43 | 34.80 |
| 22.9 | 1.1876 | 9.890 | 25.69 | 27.56 | 28.4 | 1.2436 | 10.357 | 32.56 | 34.94 |
| 23.0 | 1.1885 | 9.898 | 25.81 | 27.69 | 28.5 | 1.2446 | 10.366 | 32.69 | 35.07 |
| 23.1 | 1.1895 | 9.906 | 25.93 | 27.82 | 28.6 | 1.2457 | 10.375 | 32.82 | 35.21 |
| 23.2 | 1.1905 | 9.914 | 26.05 | 27.95 | 28.7 | 1.2468 | 10.384 | 32.95 | 35.35 |
| 23.3 | 1.1915 | 9.923 | 26.18 | 28.08 | 28.8 | 1.2478 | 10.392 | 33.07 | 35.49 |
| 23.4 | 1.1924 | 9.931 | 26.30 | 28.21 | 28.9 | 1.2489 | 10.401 | 33.20 | 35.62 |

| Degrees Baumé | Specific Gravity 60 /60 F | Density In Pounds per Gallon | Per Cent H2SO4 | Per Cent 66 Bé Acid | Degrees Baumé | Specific Gravity 60 /60 F | Density In Pounds Per Gallon | Percent H2SO4 | Per Cent 66 Bé Acid |
|------------------|---------------------------------|------------------------------------|-------------------|---------------------------|------------------|---------------------------------|------------------------------------|------------------|---------------------------|
| 29.0 | 1.2500 | 10.410 | 33.33 | 35.76 | 35.5 | 1.3242 | 11.029 | 41.95 | 45.01 |
| 29.1 | 1.2511 | 10.419 | 33.46 | 35.90 | 35.6 | 1.3254 | 11.039 | 42.09 | 45.16 |
| 29.2 | 1.2522 | 10.428 | 33.59 | 36.04 | 35.7 | 1.3266 | 11.049 | 42.22 | 45.30 |
| 29.3 | 1.2532 | 10.437 | 33.72 | 36.18 | 35.8 | 1.3278 | 11.059 | 42.36 | 45.45 |
| 29.4 | 1.2543 | 10.447 | 33.85 | 36.32 | 35.9 | 1.3291 | 11.069 | 42.49 | 45.59 |
| 29.5 | 1.2554 | 10.456 | 33.98 | 36.46 | 36.0 | 1.3303 | 11.079 | 42.63 | 45.74 |
| 29.6 | 1.2565 | 10.465 | 34.11 | 36.60 | 36.1 | 1.3315 | 11.089 | 42.77 | 45.89 |
| 29.7 | 1.2576 | 10.474 | 34.24 | 36.74 | 36.2 | 1.3327 | 11.100 | 42.90 | 46.03 |
| 29.8 | 1.2587 | 10.483 | 34.37 | 36.88 | 36.3 | 1.3339 | 11.110 | 43.04 | 46.18 |
| 29.9 | 1.2598 | 10.492 | 34.50 | 37.02 | 36.4 | 1.3352 | 11.120 | 43.17 | 46.32 |
| 30.0 | 1.2609 | 10.501 | 34.63 | 37.16 | 36.5 | 1.3364 | 11.130 | 43.31 | 46.47 |
| 30.1 | 1.2620 | 10.510 | 34.76 | 37.30 | 36.6 | 1.3376 | 11.140 | 43.45 | 46.62 |
| 30.2 | 1.2631 | 10.519 | 34.89 | 37.44 | 36.7 | 1.3389 | 11.151 | 43.58 | 46.76 |
| 30.3 | 1.2642 | 10.529 | 35.02 | 37.58 | 36.8 | 1.3401 | 11.161 | 43.72 | 46.91 |
| 30.4 | 1.2653 | 10.538 | 35.15 | 37.72 | 36.9 | 1.3414 | 11.171 | 43.85 | 47.05 |
| 30.5 | 1.2664 | 10.547 | 35.28 | 37.85 | 37.0 | 1.3426 | 11.181 | 43.99 | 47.20 |
| 30.6 | 1.2675 | 10.556 | 35.41 | 37.99 | 37.1 | 1.3438 | 11.192 | 44.13 | 47.35 |
| 30.7 | 1.2686 | 10.565 | 35.54 | 38.13 | 37.2 | 1.3451 | 11.202 | 44.26 | 47.49 |
| 30.8 | 1.2697 | 10.574 | 35.67 | 38.27 | 37.3 | 1.3463 | 11.213 | 44.40 | 47.64 |
| 30.9 | 1.2708 | 10.583 | 35.80 | 38.41 | 37.4 | 1.3476 | 11.223 | 44.53 | 47.78 |
| 31.0 | 1.2719 | 10.593 | 35.93 | 38.55 | 37.5 | 1.3488 | 11.233 | 44.67 | 47.93 |
| 31.1 | 1.2730 | 10.602 | 36.06 | 38.69 | 37.6 | 1.3501 | 11.244 | 44.81 | 48.08 |
| 31.2 | 1.2742 | 10.611 | 36.20 | 38.84 | 37.7 | 1.3514 | 11.254 | 44.94 | 48.22 |
| 31.3 | 1.2753 | 10.621 | 36.33 | 38.98 | 37.8 | 1.3526 | 11.264 | 45.08 | 48.37 |
| 31.4 | 1.2764 | 10.630 | 36.46 | 39.12 | 37.9 | 1.3539 | 11.275 | 45.21 | 48.51 |
| 31.5 | 1.2775 | 10.640 | 36.59 | 39.26 | 38.0 | 1.3551 | 11.286 | 45.35 | 48.66 |
| 31.6 | 1.2787 | 10.649 | 36.73 | 39.41 | 38.1 | 1.3564 | 11.296 | 45.49 | 48.81 |
| 31.7 | 1.2798 | 10.659 | 36.86 | 39.55 | 38.2 | 1.3577 | 11.307 | 45.62 | 48.95 |
| 31.8 | 1.2809 | 10.668 | 36.99 | 39.69 | 38.3 | 1.3590 | 11.318 | 45.76 | 49.10 |
| 31.9 | 1.2821 | 10.677 | 37.13 | 39.84 | 38.4 | 1.3602 | 11.328 | 45.90 | 49.25 |
| 32.0 | 1.2832 | 10.687 | 37.26 | 39.98 | 38.5 | 1.3615 | 11.339 | 46.03 | 49.39 |
| 32.1 | 1.2843 | 10.696 | 37.39 | 40.12 | 38.6 | 1.3628 | 11.350 | 46.17 | 49.54 |
| 32.2 | 1.2855 | 10.706 | 37.52 | 40.26 | 38.7 | 1.3641 | 11.360 | 46.31 | 49.69 |
| 32.3 | 1.2866 | 10.715 | 37.66 | 40.41 | 38.8 | 1.3653 | 11.371 | 46.45 | 49.84 |
| 32.4 | 1.2877 | 10.725 | 37.79 | 40.55 | 38.9 | 1.3666 | 11.381 | 46.58 | 49.98 |
| 32.5 | 1.2889 | 10.734 | 37.92 | 40.69 | 39.0 | 1.3679 | 11.392 | 46.72 | 50.13 |
| 32.6 | 1.2900 | 10.744 | 38.05 | 40.83 | 39.1 | 1.3692 | 11.403 | 46.86 | 50.28 |
| 32.7 | 1.2912 | 10.753 | 38.18 | 40.97 | 39.2 | 1.3705 | 11.414 | 47.00 | 50.43 |
| 32.8 | 1.2923 | 10.763 | 38.32 | 41.12 | 39.3 | 1.3718 | 11.425 | 47.13 | 50.57 |
| 32.9 | 1.2935 | 10.772 | 38.45 | 41.26 | 39.4 | 1.3731 | 11.436 | 47.27 | 50.72 |
| 33.0 | 1.2946 | 10.782 | 38.58 | 41.40 | 39.5 | 1.3744 | 11.447 | 47.41 | 50.87 |
| 33.1 | 1.2958 | 10.791 | 38.71 | 41.54 | 39.6 | 1.3757 | 11.458 | 47.55 | 51.02 |
| 33.2 | 1.2970 | 10.801 | 38.85 | 41.69 | 39.7 | 1.3770 | 11.469 | 47.69 | 51.17 |
| 33.3 | 1.2981 | 10.811 | 38.98 | 41.83 | 39.8 | 1.3783 | 11.479 | 47.82 | 51.31 |
| 33.4 | 1.2993 | 10.821 | 39.12 | 41.97 | 39.9 | 1.3796 | 11.49 | 47.96 | 51.46 |
| 33.5 | 1.3004 | 10.830 | 39.25 | 42.11 | 40.0 | 1.3810 | 11.501 | 48.10 | 51.61 |
| 33.6 | 1.3016 | 10.840 | 39.38 | 42.26 | 40.1 | 1.3823 | 11.512 | 48.24 | 51.76 |
| 33.7 | 1.3028 | 10.850 | 39.52 | 42.40 | 40.2 | 1.3836 | 11.523 | 48.37 | 51.90 |
| 33.8 | 1.3040 | 10.860 | 39.65 | 42.54 | 40.3 | 1.3849 | 11.534 | 48.51 | 52.05 |
| 33.9 | 1.3051 | 10.869 | 39.79 | 42.69 | 40.4 | 1.3862 | 11.545 | 48.65 | 52.20 |
| 34.0 | 1.3063 | 10.879 | 39.92 | 42.83 | 40.5 | 1.3876 | 11.556 | 48.78 | 52.34 |
| 34.1 | 1.3075 | 10.889 | 40.05 | 42.97 | 40.6 | 1.3889 | 11.567 | 48.92 | 52.49 |
| 34.2 | 1.3087 | 10.899 | 40.19 | 43.12 | 40.7 | 1.3902 | 11.578 | 49.06 | 52.64 |
| 34.3 | 1.3098 | | 40.32 | 43.26 | 40.8 | 1.3916 | 11.589 | 49.20 | 52.79 |
| 34.4 | 1.3110 | 10.919 | 40.46 | 43.41 | 40.9 | 1.3929 | 11.600 | 49.33 | 52.93 |
| 34.5 | 1.3122 | 10.929 | 40.59 | 43.55 | 41.0 | 1.3942 | 11.611 | 49.47 | 53.08 |
| 34.6 | 1.3134 | 10.939 | 40.73 | 43.70 | 41.1 | 1.3956 | 11.623 | 49.61 | 53.23 |
| 34.7 | 1.3146 | 10.949 | 40.86 | 43.84 | 41.2 | 1.3969 | 11.634 | 49.75 | 53.38 |
| 34.8 | 1.3158 | 10.958 | 41.00 | 43.99 | 41.3 | 1.3983 | 11.645 | 49.89 | 53.53 |
| 34.9 | 1.3170 | 10.968 | 41.13 | 44.13 | 41.4 | 1.3996 | 11.657 | 50.03 | 53.68 |
| 35.0 | 1.3182 | 10.978 | 41.27 | 44.28 | 41.5 | 1.4010 | 11.668 | 50.17 | 53.83 |
| 35.1 | 1.3194 | 10.988 | 41.41 | 44.43 | 41.6 | 1.4023 | 11.679 | 50.31 | 53.98 |
| 35.2 | 1.3206 | 10.998 | 41.54 | 44.57 | 41.7 | 1.4037 | 11.690 | 50.45 | 54.13 |
| 35.3 | 1.3218 | 11.008 | 41.68 | 44.72 | 41.8 | 1.4050 | 11.702 | 50.59 | 54.28 |
| 35.4 | 1.3230 | 11.019 | 41.81 | 44.86 | 41.9 | 1.4064 | 11.713 | 50.73 | 54.43 |

| Degrees Baumé | Specific Gravity 60 /60 F | Density In Pounds per Gallon | Per Cent H2SO4 | Per Cent 66 Bé Acid | Degrees Baumé | Specific Gravity 60 /60 F | Density In Pounds Per Gallon | Percent H2SO4 | Per Cent 66 Bé Acid |
|------------------|---------------------------------|------------------------------------|-------------------|---------------------------|------------------|---------------------------------|------------------------------------|------------------|---------------------------|
| 42.0 | 1.4078 | 11.724 | 50.87 | 54.58 | 48.5 | 1.5026 | 12.514 | 60.03 | 64.41 |
| 42.1 | 1.4091 | 11.736 | 51.01 | 54.73 | 48.6 | 1.5041 | 12.527 | 60.18 | 64.57 |
| 42.2 | 1.4105 | 11.747 | 51.15 | 54.88 | 48.7 | 1.5057 | 12.540 | 60.32 | 64.72 |
| 42.3 | 1.4119 | 11.759 | 51.29 | 55.03 | 48.8 | 1.5073 | 12.553 | 60.46 | 64.87 |
| 42.4 | 1.4133 | 11.770 | 51.43 | 55.18 | 48.9 | 1.5088 | 12.566 | 60.61 | 65.03 |
| 42.5 | 1.4146 | 11.782 | 51.56 | 55.32 | 49.0 | 1.5104 | 12.579 | 60.75 | 65.18 |
| 42.6 | 1.4160 | 11.793 | 51.70 | 55.47 | 49.1 | 1.5120 | 12.592 | 60.89 | 65.33 |
| 42.7 | 1.4174 | 11.805 | 51.84 | 55.62 | 49.2 | 1.5136 | 12.605 | 61.04 | 65.49 |
| 42.8 | 1.4188 | 11.816 | 51.98 | 55.77 | 49.3 | 1.5152 | 12.619 | 61.18 | 65.64 |
| 42.9 | 1.4202 | 11.828 | 52.12 | 55.92 | 49.4 | 1.5167 | 12.632 | 61.32 | 65.80 |
| 43.0 | 1.4216 | 11.839 | 52.26 | 56.07 | 49.5 | 1.5183 | 12.645 | 61.46 | 65.95 |
| 43.1 | 1.4230 | 11.851 | 52.40 | 56.22 | 49.6 | 1.5199 | 12.658 | 61.61 | 66.10 |
| 43.2 | 1.4244 | 11.863 | 52.54 | 56.37 | 49.7 | 1.5215 | 12.672 | 61.75 | 66.26 |
| 43.3 | 1.4258 | 11.874 | 52.68 | 56.52 | 49.8 | 1.5231 | 12.685 | 61.89 | 66.41 |
| 43.4 | 1.4272 | 11.886 | 52.82 | 56.67 | 49.9 | 1.5247 | 12.698 | 62.04 | 66.57 |
| 43.5 | 1.4286 | 11.898 | 52.96 | 56.82 | 50.0 | 1.5263 | 12.711 | 62.18 | 66.72 |
| 43.6 | 1.4300 | 11.909 | 53.10 | 56.98 | 50.1 | 1.5279 | 12.725 | 62.33 | 66.88 |
| 43.7 | 1.4314 | 11.921 | 53.24 | 57.13 | 50.2 | 1.5295 | 12.739 | 62.48 | 67.04 |
| 43.8 | 1.4328 | 11.933 | 53.38 | 57.28 | 50.3 | 1.5312 | 12.752 | 62.62 | 67.20 |
| 43.9 | 1.4342 | 11.944 | 53.52 | 57.42 | 50.4 | 1.5328 | 12.766 | 62.77 | 67.36 |
| 44.0 | 1.4356 | 11.956 | 53.66 | 57.58 | 50.5 | 1.5344 | 12.779 | 62.92 | 67.51 |
| 44.1 | 1.4371 | 11.968 | 53.80 | 57.73 | 50.6 | 1.5360 | 12.793 | 63.07 | 67.67 |
| 44.2 | 1.4385 | 11.980 | 53.94 | 57.88 | 50.7 | 1.5376 | 12.806 | 63.22 | 67.83 |
| 44.3 | 1.4399 | 11.992 | 54.08 | 58.03 | 50.8 | 1.5393 | 12.820 | 63.36 | 67.99 |
| 44.4 | 1.4414 | 12.004 | 54.22 | 58.18 | 50.9 | 1.5409 | 12.834 | 63.51 | 68.15 |
| 44.5 | 1.4428 | 12.016 | 54.36 | 58.33 | 51.0 | 1.5426 | 12.847 | 63.66 | 68.31 |
| 44.6 | 1.4442 | 12.028 | 54.51 | 58.49 | 51.1 | 1.5442 | 12.861 | 63.81 | 68.47 |
| 44.7 | 1.4457 | 12.040 | 54.65 | 58.64 | 51.2 | 1.5458 | 12.875 | 63.95 | 68.66 |
| 44.8 | 1.4471 | 12.052 | 54.79 | 58.79 | 51.3 | 1.5475 | 12.888 | 64.10 | 68.78 |
| 44.9 | 1.4486 | 12.064 | 54.93 | 58.94 | 51.4 | 1.5491 | 12.902 | 64.25 | 68.94 |
| 45.0 | 1.4500 | 12.076 | 55.07 | 59.09 | 51.5 | 1.5508 | 12.916 | 64.39 | 69.10 |
| 45.1 | 1.4515 | 12.088 | 55.21 | 59.24 | 51.6 | 1.5525 | 12.930 | 64.54 | 69.26 |
| 45.2 | 1.4529 | 12.100 | 55.35 | 59.39 | 51.7 | 1.5541 | 12.943 | 64.69 | 69.42 |
| 45.3 | 1.4544 | 12.112 | 55.49 | 59.54 | 51.8 | 1.5558 | 12.957 | 64.84 | 69.57 |
| 45.4 | 1.4558 | 12.125 | 55.63 | 59.69 | 51.9 | 1.5575 | 12.971 | 64.98 | 69.73 |
| 45.5 | 1.4573 | 12.137 | 55.77 | 59.84 | 52.0 | 1.5591 | 12.985 | 65.13 | 69.89 |
| 45.6 | 1.4588 | 12.149 | 55.92 | 60.00 | 52.1 | 1.5608 | 12.999 | 65.28 | 70.05 |
| 45.7 | 1.4602 | 12.161 | 56.06 | 60.15 | 52.2 | 1.5625 | 13.013 | 65.43 | 70.21 |
| 45.8 | 1.4617 | 12.173 | 56.20 | 60.30 | 52.3 | 1.5642 | 13.027 | 65.58 | 70.37 |
| 45.9 | 1.4632 | 12.185 | 56.34 | 60.45 | 52.4 | 1.5659 | 13.041 | 65.73 | 70.53 |
| 46.0 | 1.4646 | 12.198 | 56.48 | 60.60 | 52.5 | 1.5676 | 13.055 | 65.88 | 70.69 |
| 46.1 | 1.4661 | 12.210 | 56.62 | 60.75 | 52.6 | 1.5693 | 13.070 | 66.03 | 70.86 |
| 46.2 | 1.4676 | 12.223 | 56.76 | 60.91 | 52.7 | 1.5710 | 13.084 | 66.18 | 71.02 |
| 46.3 | 1.4691 | 12.235 | 56.91 | 61.06 | 52.8 | 1.5727 | 13.098 | 66.33 | 71.18 |
| 46.4 | 1.4706 | 12.248 | 57.05 | 61.21 | 52.9 | 1.5744 | 13.112 | 66.48 | 71.34 |
| 46.5 | 1.4721 | 12.260 | 57.19 | 61.36 | 53.0 | 1.5761 | 13.126 | 66.63 | 71.50 |
| 46.6 | 1.4736 | 12.272 | 57.33 | 61.52 | 53.1 | 1.5778 | 13.141 | 66.78 | 71.66 |
| 46.7 | 1.4751 | 12.285 | 57.47 | 61.67 | 53.2 | 1.5795 | 13.155 | 66.93 | 71.82 |
| 46.8 | 1.4766 | 12.297 | 57.62 | 61.82 | 53.3 | 1.5812 | 13.169 | 67.08 | 71.98 |
| 46.9 | 1.4781 | 12.301 | 57.76 | 61.98 | 53.4 | 1.5830 | 13.184 | 67.23 | 72.14 |
| 47.0 | 1.4796 | 12.322 | 57.90 | 62.13 | 53.5 | 1.5847 | 13.198 | 67.38 | 72.30 |
| 47.1 | 1.4811 | 12.335 | 58.04 | 62.28 | 53.6 | 1.5864 | 13.213 | 67.53 | 72.47 |
| 47.2 | 1.4826 | 12.348 | 58.18 | 62.43 | 53.7 | 1.5882 | 13.227 | 67.68 | 72.63 |
| 47.3 | 1.4841 | 12.360 | 58.33 | 62.59 | 5.38 | 1.5899 | 13.241 | 61.83 | 72.79 |
| 47.4 | 1.4857 | 12.373 | 58.47 | 62.74 | 53.9 | 1.5917 | 13.256 | 67.98 | 72.95 |
| 47.5 | 1.4872 | 12.386 | 58.61 | 62.89 | 54.0 | 1.5934 | 13.271 | 68.13 | 73.11 |
| 47.6 | 1.4887 | 12.398 | 58.75 | 63.04 | 54.1 | 1.5952 | 13.285 | 68.28 | 73.27 |
| 47.7 | 1.4902 | 12.411 | 58.89 | 63.19 | 54.2 | 1.5969 | 13.300 | 68.43 | 73.44 |
| 47.8 | 1.4918 | 12.424 | 59.04 | 63.35 | 54.3 | 1.5987 | 13.314 | 68.59 | 73.60 |
| 47.9 | 1.4933 | 12.430 | 59.18 | 63.50 | 54.4 | 1.6004 | 13.329 | 68.74 | 73.76 |
| 48.0 | 1.4948 | 12.449 | 59.32 | 63.65 | 54.5 | 1.6022 | 13.344 | 68.89 | 73.92 |
| 48.1 | 1.4964 | 12.462 | 59.46 | 63.80 | 54.6 | 1.6040 | 13.359 | 69.04 | 74.09 |
| 48.2 | 1.4979 | 12.475 | 59.61 | 63.96 | 54.7 | 1.6058 | 13.373 | 69.19 | 74.25 |
| 48.3 | 1.4995 | 12.488 | 59.75 | 64.10 | 54.8 | 1.6075 | 13.388 | 69.35 | 74.41 |
| 48.4 | 1.5010 | 12.501 | 59.89 | 64.26 | 54.9 | 1.6093 | 13.403 | 69.50 | 74.58 |

| Degrees Baumé | Specific Gravity 60 /60 F | Density In Pounds per Gallon | Per Cent H2SO4 | Per Cent 66 Bé Acid | Degrees Baumé | Specific Gravity 60 /60 F | Density In Pounds Per Gallon | Percent H2SO4 | Per Cent 66 Bé Acid |
|------------------|---------------------------------|------------------------------------|-------------------|---------------------------|------------------|---------------------------------|------------------------------------|------------------|---------------------------|
| 55.0 | 1.6111 | 13.148 | 69.65 | 74.74 | 61.0 | 1.7262 | 14.376 | 79.43 | 85.23 |
| 55.1 | 1.6129 | 13.433 | 69.80 | 74.90 | 61.1 | 1.7282 | 14.393 | 79.62 | 85.43 |
| 55.2 | 1.6147 | 13.448 | 69.95 | 75.07 | 61.2 | 1.7303 | 14.411 | 79.80 | 85.63 |
| 55.3 | 1.6165 | 13.463 | 70.11 | 75.23 | 61.3 | 1.7324 | 14.428 | 79.99 | 85.83 |
| 55.4 | 1.6183 | 13.478 | 70.26 | 75.39 | 61.4 | 1.7344 | 14.445 | 80.18 | 86.03 |
| 55.5 | 1.6201 | 13.493 | 70.41 | 75.55 | 61.5 | 1.7365 | 14.463 | 80.36 | 86.23 |
| 55.6 | 1.6219 | 13.508 | 70.56 | 75.72 | 61.6 | 1.7386 | 14.480 | 80.55 | 86.44 |
| 55.7 | 1.6237 | 13.523 | 70.71 | 75.88 | 61.7 | 1.7407 | 14.497 | 80.74 | 86.64 |
| 55.8 | 1.6256 | 13.538 | 70.87 | 76.04 | 61.8 | 1.7428 | 14.515 | 80.93 | 86.84 |
| 55.9 | 1.6274 | 13.553 | 71.02 | 76.21 | 61.9 | 1.7449 | 14.532 | 81.11 | 87.04 |
| 56.0 | 1.6292 | 13.568 | 71.17 | 76.37 | 62.0 | 1.7470 | 14.549 | 81.30 | 87.24 |
| 56.1 | 1.6310 | 13.584 | 71.33 | 76.54 | 62.1 | 1.7491 | 14.567 | 81.50 | 87.46 |
| 56.2 | 1.6329 | 13.599 | 71.49 | 76.71 | 62.2 | 1.7512 | 14.585 | 81.71 | 87.68 |
| 56.3 | 1.6347 | 13.615 | 71.64 | 76.88 | 62.3 | 1.7533 | 14.603 | 81.91 | 87.90 |
| 56.4 | 1.6366 | 13.630 | 71.80 | 77.05 | 62.4 | 1.7554 | 14.620 | 82.12 | 88.12 |
| 56.5 | 1.6384 | 13.645 | 71.96 | 77.23 | 62.5 | 1.7576 | 14.638 | 82.32 | 88.33 |
| 56.6 | 1.6403 | 13.661 | 72.12 | 77.39 | 62.6 | 1.7597 | 14.656 | 82.52 | 88.55 |
| 56.7 | 1.6421 | 13.676 | 72.28 | 77.56 | 62.7 | 1.7618 | 14.674 | 82.73 | 88.77 |
| 56.8 | 1.6440 | 13.692 | 72.43 | 77.73 | 62.8 | 1.7640 | 14.691 | 82.93 | 88.99 |
| 56.9 | 1.6459 | 13.707 | 72.59 | 77.90 | 62.9 | 1.7661 | 14.709 | 83.14 | 89.21 |
| 57.0 | 1.6477 | 13.722 | 72.75 | 78.07 | 63.0 | 1.7683 | 14.727 | 83.34 | 89.43 |
| 57.1 | 1.6496 | 13.738 | 72.91 | 78.24 | 63.1 | 1.7705 | 14.745 | 83.57 | 89.68 |
| 57.2 | 1.6515 | 13.754 | 73.07 | 78.41 | 63.2 | 1.7726 | 14.763 | 83.80 | 89.93 |
| 57.3 | 1.6534 | 13.770 | 73.23 | 78.59 | 63.3 | 1.7748 | 14.781 | 84.04 | 90.18 |
| 57.4 | 1.6553 | 13.786 | 73.39 | 78.76 | 63.4 | 1.7770 | 14.799 | 84.27 | 90.43 |
| 57.5 | 1.6571 | 13.802 | 73.55 | 78.93 | 63.5 | 1.7791 | 14.818 | 84.50 | 90.67 |
| 57.6 | 1.6590 | 13.817 | 73.72 | 79.10 | 63.6 | 1.7813 | 14.836 | 84.73 | 90.92 |
| 57.7 | 1.6609 | 13.833 | 73.88 | 79.27 | 63.7 | 1.7835 | 14.854 | 84.96 | 91.17 |
| 57.8 | 1.6628 | 13.849 | 74.04 | 79.45 | 63.8 | 1.7857 | 14.872 | 85.20 | 91.42 |
| 57.9 | 1.6648 | 13.865 | 74.20 | 79.62 | 63.9 | 1.7879 | 14.890 | 85.43 | 91.67 |
| 58.0 | 1.6667 | 13.881 | 74.36 | 79.79 | 64.0 | 1.7901 | 14.908 | 85.66 | 91.92 |
| 58.1 | 1.6686 | 13.897 | 74.52 | 79.96 | 64.1 | 1.7923 | 14.927 | 85.90 | 92.17 |
| 58.2 | 1.6705 | 13.913 | 74.69 | 80.14 | 64.2 | 1.7946 | 14.946 | 86.17 | 92.47 |
| 58.3 | 1.6724 | 13.929 | 74.85 | 80.31 | 64.3 | 1.7968 | 14.964 | 86.43 | 92.75 |
| 58.4 | 1.6744 | 13.945 | 75.01 | 80.49 | 64.4 | 1.7990 | 14.983 | 86.72 | 93.06 |
| 58.5 | 1.6763 | 13.961 | 75.17 | 80.66 | 64.5 | 1.8012 | 15.002 | 87.03 | 93.39 |
| 58.6 | 1.6782 | 13.977 | 75.34 | 80.84 | 64.6 | 1.8035 | 15.020 | 87.33 | 93.71 |
| 58.7 | 1.6802 | 13.993 | 75.50 | 81.01 | 64.7 | 1.8057 | 15.039 | 87.65 | 94.06 |
| 58.8 | 1.6821 | 14.009 | 75.66 | 81.19 | 64.8 | 1.8080 | 15.058 | 88.05 | 94.48 |
| 58.9 | 1.6841 | 14.025 | 75.83 | 81.36 | 64.9 | 1.8102 | 15.076 | 88.31 | 94.76 |
| 59.0 | 1.6860 | 14.041 | 75.99 | 81.54 | 65.0 | 1.8125 | 15.095 | 88.65 | 95.13 |
| 59.1 | 1.6880 | 14.058 | 76.16 | 81.72 | 65.1 | 1.8148 | 15.114 | 88.98 | 95.48 |
| 59.2 | 1.6900 | 14.075 | 76.33 | 81.90 | 65.2 | 1.8170 | 15.133 | 89.30 | 95.83 |
| 59.3 | 1.6919 | 14.091 | 76.49 | 82.08 | 65.3 | 1.8193 | 15.152 | 89.76 | 96.32 |
| 59.4 | 1.6939 | 14.108 | 76.66 | 82.26 | 65.4 | 1.8216 | 15.171 | 90.17 | 96.76 |
| 59.5 | 1.6959 | 14.124 | 76.83 | 82.44 | 65.5 | 1.8239 | 15.190 | 90.60 | 97.22 |
| 59.6 | 1.6979 | 14.141 | 77.00 | 82.63 | 65.6 | 1.8262 | 15.209 | 91.06 | 91.71 |
| 59.7 | 1.6999 | 14.157 | 77.17 | 82.81 | 65.7 | 1.8285 | 15.228 | 91.54 | 98.23 |
| 59.8 | 1.7019 | 14.174 | 77.33 | 82.99 | 65.8 | 1.8308 | 15.248 | 92.07 | 98.80 |
| 59.9 | 1.7039 | 14.191 | 77.50 | 83.17 | 65.9 | 1.8331 | 15.267 | 92.60 | 99.37 |
| 60.0 | 1.7059 | 14.207 | 77.67 | 83.35 | 66.0 | 1.8354 | 15.286 | 93.19 | 100.00 |
| 60.1 | 1.7079 | 14.224 | 77.85 | 83.54 | 66.1 | 1.8381 | 15.327 | 94.00 | 100.87 |
| 60.2 | 1.7099 | 14.241 | 78.02 | 83.73 | 66.2 | 1.8407 | 15.348 | 95.00 | 101.94 |
| 60.3 | 1.7119 | 14.258 | 78.20 | 83.91 | 66.3 | 1.8427 | 15.365 | 96.00 | 103.01 |
| 60.4 | 1.7139 | 14.275 | 78.37 | 84.10 | 66.4 | 1.8437 | 15.374 | 97.00 | 104.09 |
| 60.5 | 1.7160 | 14.292 | 78.55 | 84.29 | 66.4 | 1.8437 | 15.374 | 98.00 | 105.16 |
| 60.6 | 1.7180 | 14.309 | 78.73 | 84.48 | 66.3 | 1.8424 | 15.363 | 99.00 | 106.24 |
| 60.7 | 1.7200 | 14.325 | 78.90 | 84.67 | 66.2 | 1.8391 | 15.335 | 100.00 | 107.31 |
| 60.8 | 1.7221 | 14.342 | 79.08 | 84.85 | | | | | |
| 60.9 | 1.7241 | 14.359 | 79.25 | 85.04 | | | | | |

*Specific gravity is not a true indication of acidity of sulfuric acid at solution strengths between 93 percent and 100 percent. "Chemical Plant Control Data Handbook," 9th Ed., Chemical Construction Corp. (1976)