

Specific Gravity of Glycerine-Water Solutions

| Glycerine (%) | Apparent Specific Gravity | | | | True Specific Gravity | | | |
|---------------|---------------------------|-------------|---------|---------|-----------------------|-------------|---------|---------|
| | 15/15°C | 15.5/15.5°C | 20/20°C | 25/25°C | 15/15°C | 15.5/15.5°C | 20/20°C | 25/25°C |
| 100 | 1.26557 | 1.26532 | 1.26362 | 1.26201 | 1.26526 | 1.26501 | 1.26331 | 1.26170 |
| 99 | 1.26300 | 1.26275 | 1.26105 | 1.25945 | 1.26270 | 1.26245 | 1.26075 | 1.25910 |
| 98 | 1.26045 | 1.26020 | 1.25845 | 1.25685 | 1.26010 | 1.25985 | 1.25815 | 1.25655 |
| 97 | 1.25785 | 1.25760 | 1.25585 | 1.25425 | 1.25755 | 1.25730 | 1.25555 | 1.25395 |
| 96 | 1.25525 | 1.25500 | 1.25330 | 1.25165 | 1.25495 | 1.25470 | 1.25300 | 1.25140 |
| 95 | 1.25270 | 1.25245 | 1.25075 | 1.24910 | 1.25240 | 1.25215 | 1.25045 | 1.24880 |
| 94 | 1.25005 | 1.24980 | 1.24810 | 1.24645 | 1.24975 | 1.24950 | 1.24780 | 1.24615 |
| 93 | 1.24740 | 1.24715 | 1.24545 | 1.24380 | 1.24710 | 1.24685 | 1.24515 | 1.24350 |
| 92 | 1.24475 | 1.24450 | 1.24280 | 1.24115 | 1.24445 | 1.24420 | 1.24250 | 1.24085 |
| 91 | 1.24210 | 1.24185 | 1.24020 | 1.23850 | 1.24185 | 1.24155 | 1.23985 | 1.23825 |
| 90 | 1.23950 | 1.23920 | 1.23755 | 1.23585 | 1.23920 | 1.23895 | 1.23725 | 1.23560 |
| 89 | 1.23680 | 1.23655 | 1.23490 | 1.23320 | 1.23655 | 1.23625 | 1.23460 | 1.23295 |
| 88 | 1.23415 | 1.23390 | 1.23220 | 1.23055 | 1.23390 | 1.23360 | 1.23195 | 1.23025 |
| 87 | 1.23150 | 1.23120 | 1.22955 | 1.22790 | 1.23125 | 1.23095 | 1.22930 | 1.22760 |
| 86 | 1.22885 | 1.22855 | 1.22690 | 1.22520 | 1.22860 | 1.22830 | 1.22660 | 1.22495 |
| 85 | 1.22620 | 1.22590 | 1.22420 | 1.22255 | 1.22595 | 1.22565 | 1.22395 | 1.22230 |
| 84 | 1.22355 | 1.22325 | 1.22155 | 1.21990 | 1.22330 | 1.22300 | 1.22130 | 1.21965 |
| 83 | 1.22090 | 1.22055 | 1.21890 | 1.21720 | 1.22060 | 1.22030 | 1.21865 | 1.21695 |
| 82 | 1.21820 | 1.21790 | 1.21620 | 1.21455 | 1.21795 | 1.21765 | 1.21595 | 1.21430 |
| 81 | 1.21555 | 1.21525 | 1.21355 | 1.21190 | 1.21530 | 1.21500 | 1.21330 | 1.21165 |
| 80 | 1.21290 | 1.21260 | 1.21090 | 1.20925 | 1.21265 | 1.21235 | 1.21065 | 1.20900 |
| 79 | 1.21015 | 1.20985 | 1.20815 | 1.20655 | | | | |
| 78 | 1.20740 | 1.20710 | 1.20540 | 1.20380 | | | | |
| 77 | 1.20465 | 1.20440 | 1.20270 | 1.20110 | | | | |
| 76 | 1.20190 | 1.20165 | 1.19995 | 1.19840 | | | | |
| 75 | 1.19915 | 1.19890 | 1.19720 | 1.19565 | 1.19890 | 1.19865 | 1.19700 | 1.19540 |
| 74 | 1.19640 | 1.19615 | 1.19450 | 1.19295 | | | | |
| 73 | 1.19365 | 1.19340 | 1.19175 | 1.19025 | | | | |
| 72 | 1.19090 | 1.19070 | 1.18900 | 1.18755 | | | | |
| 71 | 1.18815 | 1.18795 | 1.18630 | 1.18480 | | | | |
| 70 | 1.18540 | 1.18520 | 1.18355 | 1.18210 | 1.18515 | 1.18495 | 1.18330 | 1.18185 |
| 69 | 1.18260 | 1.18240 | 1.18080 | 1.17935 | | | | |
| 68 | 1.17985 | 1.17965 | 1.17805 | 1.17660 | | | | |
| 67 | 1.17705 | 1.17685 | 1.17530 | 1.17385 | | | | |
| 66 | 1.17430 | 1.17410 | 1.17255 | 1.17110 | | | | |
| 65 | 1.17155 | 1.17130 | 1.16980 | 1.16835 | 1.17135 | 1.17110 | 1.16960 | 1.16815 |
| 64 | 1.16875 | 1.16855 | 1.16705 | 1.16560 | | | | |
| 63 | 1.16600 | 1.16575 | 1.16430 | 1.16285 | | | | |
| 62 | 1.16320 | 1.16300 | 1.16155 | 1.16010 | | | | |
| 61 | 1.16045 | 1.16020 | 1.15875 | 1.15735 | | | | |
| 60 | 1.15770 | 1.15745 | 1.15605 | 1.15460 | 1.15750 | 1.15725 | 1.15585 | 1.15445 |
| 59 | 1.15490 | 1.15465 | 1.15325 | 1.15185 | | | | |
| 58 | 1.15210 | 1.15190 | 1.15050 | 1.14915 | | | | |
| 57 | 1.14935 | 1.14910 | 1.14775 | 1.14640 | | | | |
| 56 | 1.14655 | 1.14635 | 1.14500 | 1.14365 | | | | |
| 55 | 1.14375 | 1.14355 | 1.14220 | 1.14090 | 1.14360 | 1.14340 | 1.14205 | 1.14075 |
| 54 | 1.14100 | 1.14080 | 1.13945 | 1.13815 | | | | |
| 53 | 1.13820 | 1.13800 | 1.13670 | 1.13540 | | | | |
| 52 | 1.13540 | 1.13525 | 1.13395 | 1.13265 | | | | |
| 51 | 1.13265 | 1.13245 | 1.13120 | 1.12995 | | | | |

Specific Gravity of Glycerine-Water Solutions – *continued*

| Glycerine (%) | Apparent Specific Gravity | | | | True Specific Gravity | | | |
|---------------|---------------------------|--------------|----------|----------|-----------------------|--------------|----------|----------|
| | 15/15 °C | 15.5/15.5 °C | 20/20 °C | 25/25 °C | 15/15 °C | 15.5/15.5 °C | 20/20 °C | 25/25 °C |
| 50 | 1.12985 | 1.12970 | 1.12845 | 1.12720 | 1.12970 | 1.12955 | 1.12830 | 1.12705 |
| 49 | 1.12710 | 1.12695 | 1.12570 | 1.12450 | | | | |
| 48 | 1.12440 | 1.12425 | 1.12300 | 1.12185 | | | | |
| 47 | 1.12165 | 1.12150 | 1.12030 | 1.11915 | | | | |
| 46 | 1.11890 | 1.11880 | 1.11760 | 1.11650 | | | | |
| 45 | 1.11620 | 1.11605 | 1.11490 | 1.11380 | 1.11605 | 1.11595 | 1.11475 | 1.11365 |
| 44 | 1.11345 | 1.11335 | 1.11220 | 1.11115 | | | | |
| 43 | 1.11075 | 1.11060 | 1.10950 | 1.10845 | | | | |
| 42 | 1.10800 | 1.10790 | 1.10680 | 1.10575 | | | | |
| 41 | 1.10525 | 1.10515 | 1.10410 | 1.10310 | | | | |
| 40 | 1.10255 | 1.10245 | 1.10135 | 1.10040 | 1.10240 | 1.10235 | 1.10125 | 1.10030 |
| 39 | 1.09985 | 1.09975 | 1.09870 | 1.09775 | | | | |
| 38 | 1.09715 | 1.09705 | 1.09605 | 1.09510 | | | | |
| 37 | 1.09445 | 1.09435 | 1.09335 | 1.09245 | | | | |
| 36 | 1.09175 | 1.09165 | 1.09070 | 1.08980 | | | | |
| 35 | 1.08905 | 1.08895 | 1.08805 | 1.08715 | 1.08895 | 1.08885 | 1.08790 | 1.08705 |
| 34 | 1.08635 | 1.08625 | 1.08535 | 1.08455 | | | | |
| 33 | 1.08365 | 1.08355 | 1.08270 | 1.08190 | | | | |
| 32 | 1.08100 | 1.08085 | 1.08005 | 1.07925 | | | | |
| 31 | 1.07830 | 1.07815 | 1.07735 | 1.07660 | | | | |
| 30 | 1.07560 | 1.07545 | 1.07470 | 1.07395 | 1.07550 | 1.07535 | 1.07460 | 1.07385 |
| 29 | 1.07295 | 1.07285 | 1.07210 | 1.07135 | | | | |
| 28 | 1.07035 | 1.07025 | 1.06950 | 1.06880 | | | | |
| 27 | 1.06770 | 1.06760 | 1.06690 | 1.06625 | | | | |
| 26 | 1.06510 | 1.06500 | 1.06435 | 1.06370 | | | | |
| 25 | 1.06250 | 1.06240 | 1.06175 | 1.06115 | 1.06240 | 1.06230 | 1.06165 | 1.06110 |
| 24 | 1.05985 | 1.05980 | 1.05915 | 1.05860 | | | | |
| 23 | 1.05725 | 1.05715 | 1.05655 | 1.05605 | | | | |
| 22 | 1.05460 | 1.05455 | 1.05400 | 1.05350 | | | | |
| 21 | 1.05200 | 1.05195 | 1.05140 | 1.05095 | | | | |
| 20 | 1.04935 | 1.04935 | 1.04880 | 1.04840 | 1.04930 | 1.04925 | 1.04875 | 1.04830 |
| 19 | 1.04685 | 1.04680 | 1.04630 | 1.04590 | | | | |
| 18 | 1.04435 | 1.04430 | 1.04380 | 1.04345 | | | | |
| 17 | 1.04180 | 1.04180 | 1.04135 | 1.04100 | | | | |
| 16 | 1.03930 | 1.03925 | 1.03885 | 1.03850 | | | | |
| 15 | 1.03675 | 1.03675 | 1.03635 | 1.03605 | 1.03670 | 1.03670 | 1.03630 | 1.03600 |
| 14 | 1.03425 | 1.03420 | 1.03390 | 1.03360 | | | | |
| 13 | 1.03175 | 1.03170 | 1.03140 | 1.03110 | | | | |
| 12 | 1.02920 | 1.02920 | 1.02890 | 1.02865 | | | | |
| 11 | 1.02670 | 1.02665 | 1.02640 | 1.02620 | | | | |
| 10 | 1.02415 | 1.02415 | 1.02395 | 1.02370 | 1.02415 | 1.02410 | 1.02390 | 1.02370 |
| 9 | 1.02175 | 1.02175 | 1.02155 | 1.02135 | | | | |
| 8 | 1.01935 | 1.01930 | 1.01915 | 1.01900 | | | | |
| 7 | 1.01690 | 1.01690 | 1.01675 | 1.01660 | | | | |
| 6 | 1.01450 | 1.01450 | 1.01435 | 1.01425 | | | | |
| 5 | 1.01210 | 1.01205 | 1.01195 | 1.01185 | 1.01205 | 1.01205 | 1.01195 | 1.01185 |
| 4 | 1.00965 | 1.00965 | 1.00955 | 1.00950 | | | | |
| 3 | 1.00725 | 1.00725 | 1.00720 | 1.00710 | | | | |
| 2 | 1.00485 | 1.00485 | 1.00480 | 1.00475 | | | | |
| 1 | 1.00240 | 1.00240 | 1.00240 | 1.00235 | | | | |