



## Citric Acid Dilution Chart

To use this quick reference chart: 1) determine desired total amount (dk. green ml value) of citric acid solution and locate corresponding vertical column on chart below 2) determine desired concentration (red % value) of final citric acid solution and locate corresponding horizontal column 3) the window where the two columns intersect indicates amount of citric acid (CA) and reverse osmosis (RO) water required for your desired solution. For example: a 2000 ml amount of 20 percent citric acid would be made from 436 grams (g) of dry powder citric acid and 1738 milliliters (ml) of RO water.

**The weight of one ml of pure water is one gram.**

Measure the citric acid powder by weighing it. Mix the solution until all powder is dissolved (clear solution). Wear gloves and protective eyewear when mixing. \*Volume for each mixture shown below is approximate and is adjusted for a specific gravity for **RPC** citric acid with RO water at 25° C.

Strength Desired	Total Volume (milliliters) of Solution Desired				
	500 ml	1000 ml	2000 ml	3785 ml	9463 ml
5 %	25.5 g CA 484 ml RO	51 g CA 969 ml RO	102 g CA 1939 ml RO	193 g CA 3668 ml RO	482 g CA 9173 ml RO
10 %	52 g CA 468 ml RO	104 g CA 937 ml RO	209 g CA 1875 ml RO	395 g CA 3547 ml RO	988 g CA 8868 ml RO
15 %	80 g CA 452 ml RO	160 g CA 904 ml RO	320 g CA 1808 ml RO	604 g CA 3421 ml RO	1510 g CA 8554 ml RO
20 %	109 g CA 435 ml RO	218 g CA 869 ml RO	436 g CA 1738 ml RO	824 g CA 3289 ml RO	2061 g CA 8222 ml RO
25 %	139 g CA 417 ml RO	278 g CA 833 ml RO	556 g CA 1666 ml RO	1050 g CA 3153 ml RO	2629 g CA 7880 ml RO
30 %	171 g CA 397 ml RO	341 g CA 795 ml RO	682 g CA 1590 ml RO	1290 g CA 3008 ml RO	3225 g CA 7520 ml RO
35 %	204 g CA 378 ml RO	407 g CA 755 ml RO	814 g CA 1510 ml RO	1540 g CA 2858 ml RO	3850 g CA 7144 ml RO
40 %	238 g CA 357 ml RO	476 g CA 714 ml RO	952 g CA 1427 ml RO	1801 g CA 2701 ml RO	4502 g CA 6751 ml RO
45 %	275 g CA 335 ml RO	549 g CA 670 ml RO	1097 g CA 1340 ml RO	2074 g CA 2536 ml RO	5185 g CA 6340 ml RO
50 %	312 g CA 312 ml RO	624 g CA 624 ml RO	1248 g CA 1248 ml RO	2362 g CA 2362 ml RO	5906 g CA 5906 ml RO
50 % for Braun Dialog	Thoroughly mix one package of J100-0747 (747 g) with 747 ml (750 ml is close enough) of RO water in a one-gallon container. For a larger amount of 50% solution, thoroughly mix two packages of J100-0747 (1494 g) with 1494 ml (1500 ml is close enough) of RO water in a gal. container (2400 ml total)				

### High Quality Citric Acid from RPC – Three Package Choices:

P/N J100-0747, USP Grade - Fine Granular Citric Acid – 747 gram bags – 20 bags/case

P/N J100-1000, USP Grade, Fine Granular Citric Acid-1000 gram bags-15 bags/case

P/N J100-1050, USP Grade, Fine Granular Citric Acid in a 50 pound bag (boxed)

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