

## Approximate Conversion Factors

**1 Part per Million = 0.379 grams per 100 US Gallons = 1 gram per 1000 liters.**

**1 Part per Thousand = 0.833 pounds per 100 US Gallons = 1 gram per liter.**

**1 Part per Hundred (1%) = 1.33 ounces (avoirdupois) per US Gallon = 10 grams per liter.**

1 fluid ounce = 1.04 ounces (avoirdupois) = 29.5 ml

1 ounce (avoirdupois) = 28.35 grams

1 lb = 16.0 ounces (avoirdupois) = 454 grams

1 gallon = 4 quarts = 8 pints = 16 cups = 128 fluid ounces

1 gallon = 231 cu in = 8.33 lbs (pure water weight) = 3.79 liters

Note: 1 English (Imperial gallon) = 1.2 U.S. gallons

1 quart = 2 pints = 4 cups = 32 ounces = .945 liters

1 pint = 16 ounces = 2 cups

1 cup = 8 ounces = 16 tablespoons = 236 ml

1 tablespoon = 3 teaspoons

1 teaspoon = 5 ml = 110 drops (depends on dropper)

1 gallon/hr = 3.82 cu in/min

1 gallon/minute = 60 gallons/hour

1 gallon/second = 60 gallons/min = 3600 gallons/hour

1 ton = 2000 pounds = 240 gallons of water

1 pound per hundred gallons = 1200 ppm = 1.20 ppt = 0.120 %

1 foot = 12.0 inches = 0.305 meters

1 yard = 3.00 feet = 36.0 inches = .914 meters

1 mile = 5280 feet = 1.61 kilometers

1 acre = 4356 square feet

1 cu in = 0.00433 gal = .0164 liters = 16.4 ml

1 cu ft = 1728 cu in = 7.48 gal = 28.3 liters

1 liter (l) = 1000 milliliters (ml) = 0.001 cu meters = 0.264 gal = 61.0 cu in

1 liter/hr = 1.02 cu in/min

1 meter = 100 centimeters = 3.28 feet = 39.4 inches = 1.09 yards

1 centimeter = 10 millimeters

1 micron = 0.000001 meters = .0001 centimeter

1 kilometer = 1000 meters = 0.621 miles

1 ml water = 1 gram = 1 cubic centimeter

1 kilogram (kg) = 1000 grams (g) = 1000000 milligrams (mg) = 2.20 lb

1 percent (%) = 10 parts per thousand (ppt) = 10000 parts per million (ppm)

1 ppm = 1 mg/l = 1 pound per 120,000 gallons = 1 ounce per 7500 gallons

1 cm = 1 ml = 1 gm

1 ltr = 1000 ml = 1000 gms

1 gm per ltr = 1ppt = 1000 ppm

1 gal. = 3.79 ltrs = 3790 gms = 3970 ml

1 gal water = 8.33 lbs

1 fluid oz. = 1.0425 oz. avoir.

32 fluid ozs = 33.36 ozs avoir.

0.833 # salt added to 100 gal water =

0.1% salt solution = 1 ppt

8.33 # salt added to 1000 gal water =

0.1% salt solution = 1ppt