

# WineryAtHuntersValley.com

## 717-444-7211

### Weights and Measures for Wine Making

The following chart will help in measuring chemicals in the absence of a good gram scale. The figures are for use with level measuring spoons. Accurate to +/-10%.

Chemicals	1/4 tsp (teaspoon)	1 tsp (teaspoon)	1 tbsp (tablespoon)
Potassium Metabisulfite, powder	1.4 grams	6.2 grams	20.0grams
Tartaric Acid, powder	1.3 grams	5.0 grams	15.2 grams
Citric Acid, powder	1.1 grams	4.9 grams	14.4 grams
Malic Acid, powder	1.1 grams	4.5 grams	13.2 grams
Fumaric Acid, powder	1.3 grams	5.3 grams	16.0 grams
Acid Blend, powder	1.2 grams	5.1 grams	14.4 grams
Natural Grape Tannin, powder	0.6 grams	2.8 grams	7.8 grams
Fermaid Yeast Nutrient, powder	1.0 grams	4.6 grams	14.7 grams
Yeastex 61, powder	0.8 grams	5.3 grams	16.0 grams
Yeast Hulls (Ghosts), powder	0.6 grams	2.8 grams	8.7 grams
Di-Ammonium Phosphate, powder	1.2 grams	4.9 grams	14.7 grams
Bentonite, KWK, agglomerated	0.8 grams	3.4 grams	11.1 grams
Sparkolloid, powder		1.0 grams	3.3 grams
Isinglass (Drifine), powder		2.4 grams	7.2 grams
Polyclar VT, powder		1.2 grams	3.9 grams
Polyclar V, powder		1.3 grams	4.3 grams
Gelatin, powder	0.8 grams	3.2 grams	9.6 grams
Potassium Caseinate, powder	0.7 grams	3.0 grams	9.0 grams
Calcium Carbonate, powder	0.5 grams	2.6 grams	6.7 grams
Potassium Bicarbonate, powder	0.7 grams	3.3 grams	10.6 grams
Potassium Bitartrate, powder	0.8 grams	3.8 grams	10.2 grams
Ascorbic Acid, powder	0.9 grams	4.6 grams	13.8 grams
Potassium Sorbate, prilled	0.6 grams	2.5 grams	7.5 grams
Oak-Mor, special & premium		1.2 grams	3.6 grams
Oak-Mor, toasted		1.4 grams	4.2 grams

Metric Equivalents		
1 ounce (oz) = 28.3 grams	1 pound (lb) = 454 grams	1 pound (lb) = 0.45 Kilograms
1 fluid ounce (fl oz) = 29 milliliters	1 quart = 0.95 liters	1 gallon = 3.785 liters

**Calculation of ppm of Sulfur Dioxide**

To calculate parts per million (ppm) of Sulfur Dioxide with Potassium Metabisulfite powder use the following...

- 1 gram = 150 ppm in 1 gallon, 30 ppm in 5 gallons.
- 1/4 teaspoon (1.5 grams) = 225 ppm in 1 gallon or 45 ppm in 5 gallons.