



PRESQUE ISLE
WINE CELLARS

WEIGHTS AND MEASURES

IN THE ABSENCE OF A GRAM SCALE, USE LEVEL MEASURING SPOONS TO WEIGH OUT CHEMICALS.

ACCURATE UP \pm 10%

CHEMICAL	1/4 TSP	1 TSP	1 TBSP
Acid Blend	1.3gm	5.0g	14.6g
Ascorbic Acid	1.0g0	4.3g	12.9g
Batonage Plus Structure	0.6g	2.6g	6.6g
Bentonite, KWK, Agglomerated	1.1g	4.3g	12.7g
Calcium Carbonate	0.9g	3.9g	11.4g
Citric Acid	1.2g	4.8g	14.4g
Diammonium Phosphate	1.2g	4.6g	13.8g
Ellagitan Barrique Rouge	0.6g	2.5g	6.0g
Ellagitan Extreme	0.6g	2.5g	6.0g
Fermaid Nutrient	1.3g	4.8g	14.4g
FT Rouge fermentation tannin	0.7g	2.7g	7.7g
Gelatine, Powder	0.8g	2.9g	9.0g
Goferm Yeast Hydration Nutrient Powder	0.7g	2.8g	6.9g
Isinglass (Drifine) Powder	0.6g	2.3g	7.0g
Malic Acid	1.2g	4.5g	13.5g
Micro Essentials M-L Nutrient	0.4g	1.5g	4.5g
Natural Grape Tannin, Powder	0.6g	2.4g	7.0g
Noblesse powder	1g	4.1g	10.7g
Noblesse powder	0.8g	3.1g	8.1g
Oak Chips, American			5.0g
Oak Chips, French			5.0g
Oak-Mor Premium, White Oak, Granules			4.4g
Oak-Mor Toasted, Granules			6.2g
Opti-Red inactivated yeast	0.75g	3.0g	7.7g
Opti-White yeast derivative	0.6g	2.7g	7.4g
Ovo Pure, Powder	0.5g	2.2g	5.6g
Potassium Bicarbonate	1.2g	4.8g	14.5g
Potassium Bitartrate	1.0g0	4.2g	12.8g
Potassium Caseinate (Kolorfine)	0.8g	3.1g	9.5g
Potassium Metabisulfite	1.6g	6.6g	20.0g
Potassium Sorbate	0.8g	3.3g	10.2g
PVPP Powder	0.4g	1.7g	5.1g
Reduless	07.g	3.1g	8.2g
Sparkolloid Powder, Hot Mix	0.3g	1.1g	3.4g
Super Ferment Nutrient	1.0g0	3.7g	10.8g
Taniblanc	0.6g	2.5g	6.0g
Taniquerc	0.6g	2.6g	6.7g
Tannin Estate	0.6g	2.4g	6.0g
Tartaric Acid	1.3g	4.9g	14.7g
Vinipius, Lactizyme, Powder	0.4g	1.6g	4.8g
Yeast Ghosts	0.7g	2.8g	8.4g
Yeast Hulls (Springcell)	0.6g	2.5g	7.1g

MEASURING EQUIVALENTS AND CONVERSIONS

1 ounce (oz) = 28.35 grams

2.204 lb = 1 kilogram

1 pint (16 oz) = 473 milliliters

2 cups sugar = 1 lb

parts per million (ppm) = milligrams per liter = milligrams per kilogram

1 gram of potassium metabisulfite (SO₂) in one gallon = 150 ppm

1 fluid oz = 29.57 mL

1 quart = 0.94 liters

1 gallon = 128 ounces

1 lb = 16 oz

1 pound (lb) = 454 grams

1 gallon = 3.785 liters

1 gallon water = 8.1 lbs

1 hectoliter = 26.4 gallons

1/4 teaspoon (≈ 1.5 grams) of SO₂ = 225 ppm SO₂ in one gallon or 45 ppm in five gallons (see formula below)

$(^{\circ}\text{F} - 32) \div 1.8 = ^{\circ}\text{C}$

$^{\circ}\text{C} * 1.8 + 32 = ^{\circ}\text{F}$

FORMULA FOR CALCULATING SULFUR DIOXIDE ppm

$\text{P g/L} * 3.785 \text{ L/gallon} * \text{Y gallons} \div 0.5776 = \text{Grams of SO}_2$

For example, if you want 45 ppm in 5 gallons of wine the formula would look as follows:

$45 \text{ ppm} = 0.045 \text{ g/L} * 3.785 \text{ L/gal} * 5 \text{ gallons} \div 0.5776 = 1.4744 \text{ grams of SO}_2 \text{ per 5 gallon batch}$