



Sorbitol Food Grade, Liquid Form

Wintersun code: 19-043-01
CAS Number: 50-70-4
Molecular Formula: C₆H₁₄O₆
Molecular Weight: 182.17 g/mol

Sales Specification

Appearance: Clear, colorless, syrupy liquid. Miscible with water
Conductivity: 10.00 uScm-1 Max
pH (14.00 % Sol.): 5.0-7.5
Specific Gravity at 25°C: 1.280 g/ml Min
Reducing Sugars: N.L.T. 12.8, 0.5 ml N. Sodium Thiosulphate required
Reducing sugar after Hydrolysis: Not less than 8.0 ml of 0.05M, Sodium Thiosulphate Is required
Lead (Pb): 0.5 ppm Max
Nickel: Not more than 1.0 ppm
Additional test (Arsenic): Less than 2.0 ppm
Water content: 28.50 % - 31.50 %
Residue on ignition: 0.1 % Max
Specified pathogens: Should be absent
Content
Anhydrous substance: 68.00 % - 72.00 %
D-Sorbitol (100 % DS): 72.00 % - 92.00 %
D-Sorbitol (as is): Not less than 45.00 %

Packing

300KG (661.38 LB), 4 drums per pallet

Applications

Sorbitol, also known as D-sorbitol, D-Glucitol or D-gluco hexanehexol, is a hexahydric sugar alcohol. Sorbitol is commercially manufactured by the high-pressure hydrogenation of dextrose solutions using a nickel catalyst. Sorbitol is a Lyophilic, non-toxic, non-irritant, stable and chemically inert, resistant to heat, resistant to acid and is non-fermentable by microorganisms. Sorbitol USP meets the requirements of the United States Pharmacopeia (USP) and has many uses. In medical application, Sorbitol can be used as a laxative. In food applications, Sorbitol is often used as a bulk sweetener and is about 60% as sweet as sucrose (table sugar). Sorbitol is also used in cosmetics as a thickener or humectant.



Propylene Glycol, USP

Wintersun Code: 16-052
CAS Number: 57-55-6
Molecular Formula: CH₃CHOHCH₂OH
Molecular Weight: 76.09 g/mol

Sales Specification

Assay, GLC (weight %): 99.9 Min
Color, Pt-Co (APHA Color): 5 Max
MaxMoisture (weight %): 0.1 Max
Specific Gravity, 25 °C: 1.035 Min - 1.038 Max
Refractive Index, 25 °C: 1.431 Min - 1.435 Max
Acidity (As Acetic acid): 0.01 Max
Chloride as Cl, weight %: 0.007 Max
Sulfate, weight %: 0.006 Max
Heavy Metals as Pb, weight ppm: 5 Max
Residue on Ignition, weight %: 0.007 Max
Arsenic as As, weight ppm: 1 Max
Organic Volatile Impurities Chloroform (µg/g): 60 Max
Organic Volatile impurity 1,4 dioxane (µg/g): 380 Max
Organic Volatile impurity methylene chloride (µg/g): 600 Max
Organic Volatile impurity trichloroethylene (µg/g): 80 Max
Distillation range (L), degrees C: 184 Min - 189 Max
Distillation range (U), degrees C: 184 Min - 189 Max
Distillation volume, Vol%, vol%: 95 Min

Packing

474 LB drum, 4 drums per pallet
2204.6 LB tote





Glycerin USP, Kosher

Wintersun Code: 07-011

CAS Number: 56-81-5

Molecular Formula: HOCH₂CH(OH)CH₂OH

Molecular Weight: 92.09 g/mol

Sales Specification

Appearance: Clear Colorless

Assay, %wt: 99.7 min

Color, Hazen: 10 max

Water Content, %wt: 0.3 max

Arsenic, ppm: 1.5 max

Heavy metal, Lead, ppm: 5 max ?5

Fatty acid and esters (titrant:0.5N NaOH),ml: 1 max

Specific Gravity at 250C: 1.2612 min

Chloride, ppm: 10 max

Sulphate, ppm: 20 max

Chlorinated Compound, ppm: 20 max

Residue on Ignition, %wt: 0.01 max

Ethylene Glycol content, %wt: 0.1max

Diethylene Glycol content, %wt: 0.1max

Identification by IR: Meet requirement

Identification by GC: Meet requirement



Packing:

551.12 LB drum, 4 drums per pallet

2204.60 LB tote

Phosphoric Acid 75% FCC

Wintersun Code:16-009

CAS Number: 7664-38-2

Molecular Formula: H₃PO₄

Molecular Weight: 97.99 g/mol

Sales Specification

Appearance: Transparent Colorless Sticky Liquid

H₃PO₄: 75% Min

P₂O₅: 54% Min

Arsenic (A_s): 0.0001% Max

H₃PO₃: 0.012% Max

Sulphate: 0.003% Max

Heavy Metals (Pb): 0.0005% Max

Flouride (F): 0.001% Max

Fe: 0.001% Max

Cl: 0.0005% Max

Packing

650.38 LB drum

3527.36 LB tote



Applications

Phosphoric Acid Food Grade is used as an ingredient in foods and beverages. Phosphoric Acid is typically used for pH control in the food industry, for example in the manufacture of cheese products, fats, and shortenings. It is also used in the beverage industry in soft drinks, particularly cola. It's used for pH control in manufacture of imitation jellies, as a nutrient in production of yeast, to control bacteria growth in selected processed food, as a flocculating agent for clarification of sugar juices after liming process and in the Manufacture of phosphate salts.

Wintersun Chemical 1250 E. Belmont St. Ontario CA 91761 USA

<http://wintersunchem.com> sales@wintersunchem.com

Phone: (800) 930-1688 Fax: (909) 947-1788