



Product No. 1920
Specifications current as of: Jun 8
2011

TEST	SPECIFICATION
GMP Manufactured Product	
Meets U.S.P. Requirements	
Identification	Passes Test
Specific Rotation $[\alpha]_{25}^D$ (calculated on dried basis)	52.6 - 53.2 °
Color of Solution	Passes Test
Acidity	Passes Test
Water (H ₂ O)	max. 0.5 %
Residue on Ignition	max. 0.1 %
Chloride (Cl)	max. 0.018 %
Sulfate (SO ₄)	max. 0.025 %
Arsenic (As)	max. 1 ppm
Heavy Metals (as Pb)	max. 5 ppm
Dextrin	Passes Test
Soluble Starch, Sulfites	Passes Test
Endotoxin Concentration (EU/g)	max. 2.5
Meets BP/Ph.Eur. Chemical Specifications	
Identification A	Passes Test
Identification B	Passes Test
Identification C	Passes Test
Appearance of Solution	Passes Test
Acidity or Alkalinity	Passes Test
Specific Rotation $[\alpha]_{20}^D$ (calculated on anhydrous basis)	52.5 - 53.3 °
Foreign Sugars, Soluble Starch, and Dextrins	Passes Test
Sulfite (SO ₂)	max. 15 ppm
Chloride (Cl)	max. 125 ppm
Sulfate (SO ₄)	max. 200 ppm
Arsenic (As)	max. 1 ppm
Barium (Ba)	Passes Test

Calcium (Ca)	max. 200 ppm
Lead (Pb)	max. 0.5 ppm
Water (H ₂ O)	max. 1.0 %
Ash (sulfated)	max. 0.1 %

Meets JP Chemical Specifications	
Assay (C ₆ H ₁₂ O ₆) (dried basis)	99.5 - 101.0 %
Identification	Passes Test
Clarity and Color of Solution	Passes Test
Acidity	Passes Test
Chloride (Cl)	max. 0.018 %
Sulfate (SO ₄)	max. 0.024 %
Heavy Metals (as Pb)	max. 4 ppm
Arsenic (As)	max. 1.3 ppm
Dextrin	Passes Test
Soluble Starch, Sulfites	Passes Test
Loss on Drying at 105°C	max. 1.0 %
Residue on Ignition	max. 0.10 %

No Class 1,2,3 or other solvents are used or produced in the manufacturing or purification of the product.

Bulk Pharmaceutical Chemical

CAUTION: For manufacturing, processing or repacking.

For a Certificate of Lot Analysis, visit www.avantormaterials.com.

Preserve in well-closed containers.