



Specification

Dextrose Monohydrate USP-NF/FCC

Catalog Number: DM1002
CAS Number: 14431-43-7
Molecular Formula: $C_6H_{12}O_6 \cdot H_2O$
Molecular Weight: 198.17
Storage: 15oC – 30oC
Retest Date: Two years after date of manufacture.

Test	Specification
Appearance	White to off-white powder
Assay ²	99.5 – 100.5%
Identification ^{1,2}	To pass test
Specific Rotation ^{1,2}	+52.6° to +53.2°
Color & Clarity of Solution ¹	To pass test
Moisture ²	7.5 – 9.0%
Residue on Ignition	≤ 0.1%
Acidity	To pass test
Dextrin ¹	To pass test
Related Substances ¹ Maltose/Isomaltose, Maltotriose, Fructose Unspecified Impurities ¹ Total Impurities ¹	To pass tests To pass test To pass test
Soluble Starch/Sulfites ^{1,2}	To pass test
Sulfate ¹	≤ 10ppm
Residual Solvents ¹	To pass test
Arsenic ²	To pass test
Chloride ²	To pass test
Lead ²	To pass test
Sulfur Dioxide ²	To pass test

Approved by:

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Gojira Fine Chemicals, LLC

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