



Certificate of Analysis

Dextrose Monohydrate USP-NF/FCC

Catalog Number: DM1002
Lot Number: 0116901
CAS Number: 14431-43-7
Molecular Formula: $C_6H_{12}O_6 \cdot H_2O$
Molecular Weight: 198.17
Storage: 15°C – 30°C
Date of Manufacture: January 15, 2018
Retest Date: January 14, 2020

Test	Specification	Result
Appearance	White to off-white powder	Conforms
Assay ²	99.5 – 100.5%	99.6%
Identification ^{1,2}	To pass test	Conforms
Specific Rotation ^{1,2}	+52.6° to +53.2°	52.8°
Color & Clarity of Solution ¹	To pass test	Conforms
Moisture ²	7.5 – 9.0%	8.7%
Residue on Ignition	≤ 0.1%	< 0.1%
Acidity	To pass test	Conforms
Dextrin ¹	To pass test	Conforms
Related Substances ¹ Maltose/Isomaltose, Maltotriose, Fructose Unspecified Impurities ¹ Total Impurities ¹	To pass tests To pass test To pass test	Conforms Conforms Conforms
Soluble Starch/Sulfites ^{1,2}	To pass test	Conforms
Sulfate ¹	≤ 10ppm	< 10ppm
Residual Solvents ¹	To pass test	Conforms
Arsenic ²	To pass test	Conforms
Chloride ²	To pass test	Conforms
Lead ²	To pass test	Conforms
Sulfur Dioxide ²	To pass test	Conforms

1 All lots meet the current specifications for USP-NF. 2 All lots meet the current specifications for FCC.

Approved by:

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager

Date: January 16, 2019



Gojira Fine Chemicals, LLC

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