

Certificate of Analysis

Product Description: D-(+)-Galactose Anhydrous
Catalog Number: 0103-500; 4008012; 4008022; 4008032; 4008042
Lot: QR13187

Formula: C₆H₁₂O₆

CAS #: 59-23-4

Physical Description: White Powder

Formula Weight: 180.16

Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	98.6%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	160 - 170°C	165.0 - 167.0°C
Moisture	≤1.0%	0.1%
Optical Rotation (c=4, water)	+77° ± 5°	80.1°

Source: Plant

Solution: Clear

Acidity or alkalinity: 0.4 ml

Barium: Passes

Lead: #0.5mg/kg

Residue on ignition: 0.03%


Solvent residue (Methanol): 120 mg/kg

Total aerobic count: #1000 cfu/g

Molds & Yeast: #100 cfu/g

E.coli, Salmonella: Not detected

Recommended Retest Date: 12/27/2018



12/29/2016 - John Huang, PhD

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Quality Control Manager

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