



Specification

Lactobionic Acid

Catalog Number: LA1011
CAS Number: 96-82-2
Molecular Formula: $C_{12}H_{22}O_{12}$
Molecular Weight: 358.30
Storage: 15°C – 30°C
Retest Date: Four years after date of manufacture.

Test	Specification
Appearance	White powder
Assay	≥ 98.0%
Identification A (FTIR) ¹	To match reference spectra
Identification B (TLC) ¹	To meet requirements
Solubility	Freely soluble in water, slightly soluble in glacial acetic acid, in anhydrous ethanol and in methanol.
Specific Rotation ¹	+23.0° to + 29.0°
Melting Point	~ 125°C
Appearance of Solution ²	Clear and colorless
Moisture (LOD) ¹	≤ 5.0%
Total Ash	≤ 0.2%
Reducing Sugars (as Glucose)	≤ 0.2%

Approved by:

Date: February 6, 2020

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