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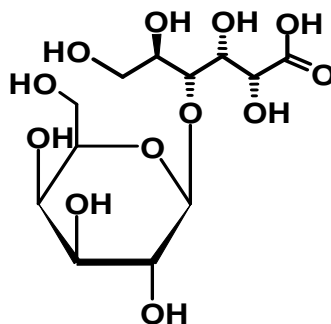
Product Specifications

Lactobionic Acid

CAS 96-82-2

Syn: 4-O-β-D-Galactopyranosyl-D-gluconic acid

Structure:



Mol. Formula
Source

$C_{12}H_{22}O_{12}$
Synthetic

Mol. Wt.

358.29

<i>Test</i>	<i>Specification</i>
Identity	IR, TLC
Appearance	White microcryst. solid
Solubility	Freely soluble in water
Clarity	A 1% aqueous solution is clear, colorless
Assay	> 98 %
Sp. Rot., $[\alpha]_D$	+23.0° - +29° (H ₂ O)
LOD	< 5 %
pH	1.0 – 3.0
Reducing Sugars	< 0.2 % Max

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>
Total Ash	< 0.1 %
Calcium	< 500 ppm
Chloride	< 500 ppm
Sulfate	< 500 ppm
Silicates	< 200 ppm
Heavy metals	< 10 ppm
	< 2 ppm (As)
Endotoxin Level	10 EU/g
<u>Microbiological Specification</u>	
Total Aerobic (CFU/g) (USP25)	<100 organisms/g
<i>E. Coli</i>	negative
<i>Salmonella</i>	negative
<i>Pseudomonas aeruginosa</i>	negative

Storage: Maintain in cool, dry, dark containment.