

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	21628
Lot Number	001855-17-112
Product	Lactobionic acid 4-O- β -D-Galactopyranosyl-D-gluconic acid
CAS Number	96-82-2
Molecular Formula	C ₁₂ H ₂₂ O ₁₂
Molecular Weight	358.29

Appearance	White crystalline powder
Appearance of Solution	The solution is clear and not more intensely colored than the reference solution
Heavy Metals	< 10 ppm
Anion	Chloride (Cl ⁻): < 500 ppm Sulfate (SO ₄ ²⁻): < 500 ppm
Cation	Iron (Fe): < 100 ppm Calcium (Ca): < 500 ppm
Water Content (Karl Fisher)	3.60%
pH	2.4
Optical Rotation	+25.8°
Reducing Sugars	< 0.2%
E. Coli	Negative
Endotoxin Test	< 10 Eu/g
Pseudomonas Aeruginosa	Negative
Salmonella	Negative
Ash	0.08%
Assay	100.19%
Storage	Store at 0-8 °C
Additional Information	Total Bacteria count: < 100 col/g

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager