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Product Specifications

Catalogue Number	46531
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	Clear solution
Heavy Metals	≤ 10 ppm
Anion	Chloride (Cl ⁻) : ≤ 500 ppm Sulfate (SO ₄ ²⁻) : ≤ 500 ppm
Cation	Calcium (Ca) : ≤ 500 ppm Iron (Fe) : ≤ 100 ppm
Water Content (Karl Fisher)	$\leq 5\%$
pH	1 - 3
Optical Rotation	[α] _D ²⁰ = 23 - 29 °
Reducing Sugars	$\leq 0.2\%$
E. Coli	Negative
Endotoxin Test	≤ 10 Eu/g
Pseudomonas Aeruginosa	Negative
Salmonella	Negative
Ash	$\leq 0.1\%$
Assay	$\geq 98\%$
Grade	meets NF specifications
Storage	Store at 0 - 8 °C

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For Laboratory Use Only