



# INDOFINE Chemical Company, Inc.

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## Certificate of Analysis

Catalogue Number	024165
Lot Number	001855-21-071
Product	<b>Lactobionic acid</b> 4-O-β-D-Galactopyranosyl-D-gluconic acid
CAS Number	96-82-2
Molecular Formula	C <sub>12</sub> H <sub>22</sub> O <sub>12</sub>
Molecular Weight	358.29

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Appearance	White crystalline powder
Appearance of Solution	Clear solution
Heavy Metals	< 10 ppm
Anion	Chloride (Cl <sup>-</sup> ) : < 500 ppm Sulfate (SO <sub>4</sub> <sup>2-</sup> ) : < 500 ppm
Cation	Calcium (Ca) : < 500 ppm Iron (Fe) : < 100 ppm
Water Content (Karl Fisher)	2.22%
pH	2.3
Optical Rotation	[α] <sup>20</sup> <sub>D</sub> = 24.6 °
Reducing Sugars	< 0.2%
E. Coli	Negative
Endotoxin Test	< 10 Eu/g
Microbial Count	< 100 col/g (TBC)
Pseudomonas Aeruginosa	Negative
Salmonella	Negative
Ash	0.07%
Assay by titration	98.54%
Storage	Store at 0 - 8 °C

Prepared by:  
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