

Certificate Of Analysis

Product Name: Sodium Gluconate
INCI Name: Sodium Gluconate
CAS Number: 527-07-1
Batch Number: Not available(data may vary slightly with different lots and batches)
Expiration Date: 24 months from manufacturing

Analytical Tests	Specification	Analysis
Description	White crystalline powder	Conforms
Identification (IR)	Should conform to reference spectrum	Conforms
Assay (on dry basis)	$\geq 98.0\%$	99.3%
Chloride (Cl^-)	$\leq 0.07\%$	0.03%
Sulfate (SO_4^{2-})	$\leq 0.05\%$	0.02%
Loss on Drying	$\leq 1.0\%$	0.35%
Reducing Substances	$\leq 0.5\%$	0.22%
pH (10% solution)	6.2 - 7.8	6.9
Heavy Metals (as Pb)	≤ 10 ppm	< 5 ppm
Arsenic	≤ 2 ppm	< 1 ppm
Lead	≤ 2 ppm	< 1 ppm
Iron	≤ 20 ppm	8 ppm
Appearance of Solution	Clear and colorless	Clear
Solubility	Freely soluble in water	Conforms
Conclusion: Batch compiles with the specification		

The general chemical has been manufactured in accordance with the applicable Indian regulations for chemical substances. The product complies with the quality standards set by the regulatory authorities in India.

Note: This Certificate of Analysis is based on the information available at the time of testing and may be subject to change based on subsequent analysis or regulatory updates.

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