

SPECIFICATION

Page No.: 1 of 1

Product Name	Zinc Gluconate
Product Code	ZGL17JRXX

Document No.	Effective Date	Next review date	Revision
SPE/ ZGL17JRXX	05/06/2023	04/06/2025	01

General Characteristics			
Formula	C ₁₂ H ₂₂ O ₁₄ Zn	Appearance	White to off-white, fine crystalline powder. No lumps that do not break up under moderate pressure.
Molecular weight	455.68 g/mol	Odour	Typical-no off or foreign odours.
CAS Number	4468-02-4	Solubility	Freely soluble in water, very slightly soluble in alcohol.

Pharmacopoeia and additional Monograph

The product is primarily intended to be used as raw material as food & pharmaceutical grade.

Chemical Analysis

Properties	Method	Specification Values		
		Unit	Min.	Max.
Identification A (Zinc)	FCC	---	Passes tests	
Identification B by TLC	FCC	---	The principle spot obtained from the sample solution corresponds in colour size and R _f value to that obtained from the standard solution.	
*Cadmium	FCC/ICP-MS	mg/kg	---	2.0
Chloride	FCC	%	---	0.05
Sulphate	FCC	%	---	0.05
*Lead	FCC/ICP-MS	mg/kg	---	2.0
Reducing Substance	FCC	%	---	1.0
Water	FCC	%	---	11.6
Assay C ₁₂ H ₂₂ O ₁₄ Zn (on anhydrous basis)	FCC	%	97.0	102.0
Arsenic	IH	mg/kg	---	3.0
pH (1% Solution)	IH	---	5.5	7.5
Foreign matter	IH	/50g	Absent	---

*test done at regular interval.

Characters XX in the product code depicts packaging configuration and will be issued in the COA.

Retest-date	24 months from the date of manufacturing
Storage Recommendations	Store in well closed container
Packaging	25 kg net weight packed in white paper lined HDPE bag / HDPE woven sac bag/ HDPE Drum with HDPE food grade certified inner liner.(Primary Packing)

Mfg. Site: 129/1/A, 129/12,13,14,15 GIDC Estate, Nandesari, Dist. Vadodara-391 340, Gujarat.

Regd. Office: 129/1/A, G I D C Estate, Nandesari, Vadodara- 391 340, Gujarat
 Tel.: +91 265 284 0656, 329 1354 Email: mail@sudeepgroup.com Web.: www.sudeepgroup.com