

## SPECIFICATION

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<b>Product Name</b>	Zinc Gluconate
<b>Product Code</b>	ZGL17JRXX

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

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

<b>Properties</b>	<b>Method</b>	Specification Values		
		<b>Unit</b>	<b>Min.</b>	<b>Max.</b>
Identification A (Zinc)	FCC	---	Passes tests	
Identification B by TLC	FCC	---	The principle spot obtained from the sample solution corresponds in colour size and Rf 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 <sub>12</sub> H <sub>22</sub> O <sub>14</sub> 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.

<b>Retest-date</b>	24 months from the date of manufacturing
<b>Storage Recommendations</b>	Store in well closed container
<b>Packaging</b>	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)

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