

**Manufacturer of Fine and Speciality Chemicals** 

- CORPORATE OFFICE: E-91/92 Nutan Saurabh Society, B/H Vijay Nagar, Harni Road, Vadodara - 390 006. Gujarat, India.
- **FACTORY**: Plot No.1116, Lamadapura Road, Manjusar - 391 775, Tal - Savli, Dist — Vadodara, Gujarat, India.

## FINISHED PRODUCT: CERTIFICATE OF ANALYSIS DEPARTMENT: QUALITY CONTROL Ref .SOP No QC/017, Rev – 00 Format No.: QC/017/F/02-00

Name	of product	: FERRO	JS GLUCONA	TE IP		
Chemical Formula: C <sub>12</sub> H <sub>22</sub> FeO <sub>14</sub> .2H <sub>2</sub> O <sub>1</sub> Molecular Weight: 482.17gm/mol. CAS No: 299-29						
HSN Code 29181620		Batch Number		r	056001D22	
Date of sampling 29/04/2022		Date of Manu		facture April2022		
Sample Quantity 100.00 Gms.		Date of Expir		y 5 Years after Mfg. date		
Date of Analysis 29/04/2022						
<b>Date of Release</b> 05/05/2022						
<b>Mfg. Lic. No.</b> G/25/2513		G/25/2513				
Sr. Test			Observation		Specification	
No.						
1.	Description		Greenish-ye	llow fine		yellow fine powder, Odour
			powder		resembling to that of burnt sugar.	
2.	Identification A		Pass Test		To pass test	
	1 mL of resulting s					
	reaction of A ferrous salts.		Pass Test			
	<b>Identification B</b>				To pass test	
	Thin-layer chromatography					
3.	Appearance of Solution		Pass Test		As per IP	
4.	Solubility		Freely soluble in water,		Freely soluble in water, more Readily	
			more Readily soluble on		soluble on warming, almost insoluble in	
			warming, almost		alcohol.	
	***		insoluble in alcohol.		10.55	
5.	pH		4.45		4.0 to 5.5	
6.	Loss on drying		6.14 %		5.0 % to 10.0%	
7. 8.	Chlorides (Cl)		120 ppm Pass Test		Max. 625 ppm	
	Sulfates (SO <sub>4</sub> )				NMT 500 ppm	
9.	Arsenic (AS)		Pass Test		NMT 2 ppm	
10.	Reducing sugars		Pass Test		To pass test	
11. 12.	Barium		Pass Test		No turbidity is produce	
	Oxalic Acid		Pass Test		No turbidity is produced.	
13. 14.	Heavy metals		Pass Test		NMT 20 ppm	
	Microbial contamination		Pass Test		Not more than 10 <sup>3</sup> CFU/g NMT 1%	
15.	Ferric ions		Pass Test			
16.			95.44 %		95 % to 102% on dry basis	
Storage Condition : Protected from light.						

**Remarks:** The above product complies with above specification.

	Prepared By/Analyzed by	Approved by		
Signature	Roi	Manjuson Manjuson		
Date	29/04/2022	05/05/2022		

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■ An ISO 9001:2015 Certified Company ■ GST: 24AAGCA9795F1ZC ■ Udyam Registration: UDYAM-GJ-24-0020783