

FINISHED PRODUCT: CERTIFICATE OF ANALYSIS

DEPARTMENT : QUALITY CONTROL




Ref .SOP No	QC/017, Rev – 00	Format No. : QC/017/F/02-00
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Name of product : ZINC OXIDE EP			
Chemical Formula : ZnO		Molecular Weight : 81.4 gm/mol	
HSN Code		CAS No : 1314-13-2	
28170010	Batch Number		073001I22
Date of sampling	21/09/2022	Date of Manufacture	SEP.-2022
Sample Quantity	100.00 Gms.	Date of Expiry	5 Years after Mfg. date
Date of Analysis	21/09/2022		
Date of Release	22/09/2022		
Mfg. Lic. No.	G/25/2513		

Sr. No.	Test	Observation	Specification
1.	Appearance	Soft, white or faintly yellowish-white, amorphous powder, free from gritty particles.	Soft, white or faintly yellowish-white, amorphous powder, free from gritty particles.
2.	Solubility	Practically insoluble in water and in ethanol (96 per cent). It dissolves in dilute mineral acids.	Practically insoluble in water and in ethanol (96 per cent). It dissolves in dilute mineral acids.
3.	Identification A It becomes yellow when strongly heated; the yellow colour disappears on cooling. Identification B The solution gives the reaction of zinc.	Pass Test	To pass test
		Pass Test	To pass test
4.	Alkalinity	Pass Test	Not more than 0.3 ml, of 0.1 M hydrochloric acid is required to change the colour of the indicator
5.	Carbonates and substances insoluble in acids	Pass Test	Not more opalescent than reference suspension II and is colorless.
6.	Arsenic	Pass Test	Max. 5 ppm
7.	Cadmium	Pass Test	Max. 10 ppm
8.	Iron	Pass Test	Max. 200 ppm
9.	Lead	Pass Test	Max. 50 ppm
10.	Loss on ignition	Pass Test	Max. 0.1 %
11.	Assay % (Dried basis)	99.14 %	99.0 % – 100.5 %

Storage Condition : In an airtight container.

Remarks: The above product complies with above specification.

	Prepared By/Analyzed by	Approved by
Signature		 
Date	21/09/2022	22/09/2022

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