

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 BP			
Chemical Formula : ZnO		Molecular Weight : 81.4 gm/mol	
HSN Code : 28170010		CAS No : 1314-13-2	
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