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CERTIFICATE OF ANALYSIS

PRODUCT NAME & SKU: Calamine Powder DRYI02

Batch No: 6753
Country of Origin: India
Best Before Date: 30.11.2028

SR. NO.	TEST PERFORMED	LIMIT	RESULTS
1.	Colour & Characteristics	Amorphous Pink coloured powder, impalpable, Pink or Reddish-brown powder.	Pink coloured powder
2.	Solubility	Practically insoluble in water. It dissolves with effervescence in hydrochloric acid.	Complies
3.	Identification	A) Yields the reactions characteristic of carbonates B) To 2g add 5ml. of Hydrochloric Acid and heat to boiling if necessary, add hydrochloric acid drop wise until a bright yellow solution is obtained. Cool and add 13.5m ammonia until the first sign of precipitate (solution A). The solution yields reaction B characteristic of iron salts. Dilute 1 ml of solution A to 5ml. with water, the solution yields the reaction characteristic of zinc salt.	Complies
4.	Calcium	Dissolve 0.50 g. in a mixture of 10ml. of water and 2.5ml of glacial acetic acid and filter. To 0.5ml. of the filtrate add 15 ml. of 5M ammonia and 2 ml. of a 2.5% w/v solution of ammonium oxalate and allow to stand for 2 minutes.	Complies (solution remains clear)
5.	Soluble barium salts	Add 2 ml of 1 m Sulphuric Acid and allow to stand for 5 minutes.	Complies (solution remains clear)
6.	Lead	Not more than 150 ppm. When determined by atomic absorption spectrophotometer.	Complies
7.	Chloride	Dissolve 0.15g. in water with the addition of 1ml. of nitric acid, filter and dilute to 30ml with water. Test for chloride.	Complies
8.	Sulphate	Dissolve 0.1g.in water with the addition of 3ml of 2m hydrochloric acid, filter and dilute to 60ml with water. No reaction of sulphates	Complies
9.	Ethanol soluble dyes	Shake 0.1g. With 10ml of ethanol (90%) and filter. The filtrate is colour less	Complies
10.	Matter insoluble in Hydrochloric acid	Dissolve 1g. in 20ml of warm 2m hydrochloric acid and filter. The residue, when washed with water and dried to constant weight at 105°, weights not more than 10mg.	8mg.
11.	Water soluble dye	Shake 1.0g. With 10ml of water and filter. (The filtrate is colorless)	Complies
12.	Residue on ignition	68% - 74% w/w	70.32%
OTHERS PARAMETERS			
A.	Average Particle Size	NMT 27 Microns	Complies