

## CERTIFICATE OF ANALYSIS (C.O.A)

Doc. No.: SM/LAB/COA/Sample/12455

Date: 21/08/2023

Party Name: For all Detergent Manufacturer

Invoice No.: Free Samples

Quantity: 0.500 KG. (500 Gm.)

Lot No.: SM/PROD/21 AUG-23

Product Name: ZEOLITE-4A\_DETERGENT APPLICATION GRADE

Vehicle No.: courier

Sr, No.	Parameters	Specification	Results
1	Appearance	Fine, white powder free from foreign impurities	Confirms OK
2	Odour	Material does not have any objectionable odour	Confirms OK
3	Moisture (Moisture @ 105 <sup>o</sup> Deg C)	5.00 (%) Maximum	3.50 %
4	Loss of Ignition (At 750 <sup>o</sup> Deg C, 1 Hrs.)	16 % to 22 %	19.65 %
5	Calcium ion exchange/Binding capacity (As CaCO <sub>3</sub> )	270 mg CaCO <sub>3</sub> /g Minimum	340 mg CaCO <sub>3</sub> /g
	Calcium ion exchange/Binding capacity (As CaO)	150 mg CaO/g Minimum	175 mg CaO/g
6	Particle Size (Wet sieve residue on 45 μ sieve)	0.50 Maximum	0.14 %
7	P.H (5 % as is in deionised water, 25 <sup>o</sup> Deg C)	10 to 12.5	11.20
8	Color (whiteness)	95 % Minimum	97.50 %
	Brightness	95 % Minimum	97.00 %
9	SiO <sub>2</sub>	30 % to 34 %	32.94 w/w %
10	Al <sub>2</sub> O <sub>3</sub>	27 % to 32 %	29.36 w/w %
11	Na <sub>2</sub> O	17 % to 19 %	18.05 w/w %
12	Bulk Density	0.30 gm/cc to 0.60 gm/cc	0.38 gm/cc
	Tap Density (After 50 tapping)	0.30 gm/cc to 0.60 gm/cc	0.41 gm/cc
13	Liquid carrying Capacity (ml/100g)	45 Minimum	68
14	Mean Particle size (D50)	2 to 5 Micron	4.0
15	Mean Particle size (D90)	10 Micron Maximum	8.5

For, SHREENATH MARKETING,



Head Quality Control

**Address work:** Survey No.: 1255, Opp. ONGC EPS, At. Langhnaj, Ta. & Dist. Mehsana-382730, North Gujarat, INDIA.

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