



NIRMA LIMITED

SURVEY NO -478 - P, VILLAGE-KALATALAV,, BHAVNAGAR-364313, Gujarat

Date of Analysis : 16/07/2023

CERTIFICATE OF ANALYSIS : SODIUM BICARBONATE - TECH. GRADE



Lic. No.10018021003628

Batch No.	07/23
Invoice No.	9000638847
Best Before	TWENTY FOUR MONTHS
Date of Manufacturing	AS PRINTED ON BAGS.

Sr No.	Characteristics	UOM	Specification	Result
1	Description	-	White Uniform & Free From Foreign Matter	Pass
2	Whiteness	%	85.0 min	97.0
3	Bulk Density	kg/m3	900-1200	1150
4	Moisture (Loss On Drying)	%	0.20 max	0.06
5	Water Insoluble Matter	%	0.10 max	0.01
6	Total Alkalinity as NaHCO ₃	%	99.50 min	99.90
7	Na Content	%	27.30 min	27.35
8	Chlorides (as Cl)	%	0.0600 max	0.0152
9	Sulfate (as SO ₄)	%	0.050 max	0.004
10	Iron (as Fe)	%	0.0020 max	0.0005
11	Arsenic (as As)	ppm	1.00 max	<0.30
12	Copper (as Cu)	ppm	1.00 max	0.10
13	Heavy metals (as Pb)	ppm	1.00 max	<0.20
14	Mercury	ppm	1.00 max	<0.10
15	pH (1% Aqueous solution)	-	7.90-8.60	8.35
16	Ammonia	ppm	1.0000 max	Passes Test
17	+0.500 mm	%	0.50-1.50	1.24
18	-0.500 mm +0.250 mm	%	5.00-15.00	14.16
19	- 0.250 mm +0.150 mm	%	15.00-25.00	23.98
20	-0.150 mm +0.106 mm	%	15.00-30.00	20.62
21	-0.106 mm +0.075 mm	%	15.00-30.00	19.96
22	-0.075 mm	%	15.00-30.00	20.04

Remarks:	Conforms to the specifications.
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Analysed/Approved By :
Hardip A. Maru