

CERTIFICATE OF ANALYSIS

Standard product specification — applicable to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd.

Product Name	Sodium Bicarbonate Food Grade	C.A.S. Number	144-55-8
Product Category	Acids & Alkalis	Product Group	Carbonates & Bicarbonates
Grade / Standard	Food Grade FCC	Physical Form	White crystalline powder
Country of Origin	India	Document No.	SCX/COA/0454AB
Packing	Standard export packing — bags, drums, carboys, IBC or ISO tank as applicable	Storage	Cool, dry, well-ventilated place in tightly closed original packing

ANALYTICAL RESULTS

S. No.	Test Parameter	Specification	Result	Method
1	Description	White crystalline powder	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Solubility	As per specification	Complies	Visual / Monograph
4	Matter Insoluble in Water	Not more than 0.05 % w/w	0.014	Gravimetry
5	pH (5 % w/v aqueous solution)	As per specification	10.8	Potentiometry
6	Chloride (as Cl)	Not more than 0.01 % w/w	0.0019	Turbidimetry / IC
7	Sulphate (as SO ₄)	Not more than 0.02 % w/w	0.0063	Turbidimetry / IC
8	Iron (as Fe)	Not more than 20 ppm	6.7 ppm	ICP-OES / AAS
9	Heavy Metals (as Pb)	Not more than 10 ppm	Less than 5 ppm	ICP-OES
10	Moisture	Not more than 1.0 % w/w	0.51	Karl Fischer / Gravimetry
11	Total Aerobic Microbial Count	Not more than 1000 cfu/g	75 cfu/g	IP / USP <61>
12	Total Yeast & Mould Count	Not more than 100 cfu/g	15 cfu/g	IP / USP <61>
13	Escherichia coli	Absent in 1 g	Absent	IP / USP <62>
14	Salmonella species	Absent in 10 g	Absent	IP / USP <62>

Remarks

Material supplied against this specification is analysed on every production lot and **conforms** to the limits stated above in all tested parameters. Results shown are the typical values obtained for this grade.

Retained samples are held against every export consignment. Store in tightly closed original packing, in a cool, dry, well-ventilated place away from incompatible materials and direct sunlight.

Checked and Approved by

Prem Panchal
Quality Assurance
Scapex Exports Pvt. Ltd.

This document sets out the standard specification for the product named above and applies to all consignments of this grade. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with each consignment. The information is given in good faith; it does not constitute a warranty of fitness for any particular purpose. Refer to the Safety Data Sheet before handling.