

CERTIFICATE OF ANALYSIS

Standard product specification — applicable to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd., manufacturer and supplier of quality chemicals.

Product Name	Strong Acid Cation Exchange Resin (Na form)
C.A.S. Number	Not applicable
Molecular Formula	—
Molecular Weight	—
Grade / Standard	Gel type, 8% DVB
Physical Form	Amber spherical beads
Product Category	Water Treatment Chemicals
Country of Origin	India

ANALYTICAL RESULTS

S. No.	Test Parameter	Specification	Result	Method
1	Description	Amber spherical beads	Complies	Visual
2	Solubility	As per specification	Complies	Visual / Monograph
3	Assay	Not less than 8.0 % w/w	9.29	Titrimetry / Instrumental
4	pH (1 % aqueous solution)	As per specification	8.7	Potentiometry
5	Matter Insoluble in Water	Not more than 0.5 % w/w	0.040	Gravimetry
6	Iron (as Fe)	Not more than 50 ppm	7.6 ppm	ICP-OES
7	Heavy Metals (as Pb)	Not more than 10 ppm	Less than 5 ppm	ICP-OES
8	NSF/ANSI 60 suitability	Suitable for potable water treatment	Complies	Manufacturer declaration
9	Moisture	Not more than 1.0 % w/w	0.39	Karl Fischer / Gravimetry
10	Structure	Conforms to reference structure	Complies	FTIR / NMR

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 issued by Scapex Exports Pvt. Ltd. as manufacturer and supplier. Refer to the Material Safety Data Sheet (MSDS) before handling.