

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	Polycarboxylate Ether Superplasticizer
C.A.S. Number	Not applicable
Molecular Formula	—
Molecular Weight	—
Grade / Standard	Solid content 40%
Physical Form	Light brown liquid
Product Category	Construction Chemicals
Country of Origin	India

ANALYTICAL RESULTS

S. No.	Test Parameter	Specification	Result	Method
1	Description	Light brown liquid	Complies	Visual
2	Assay	Not less than 40.0 % w/w	40.55	Titrimetry / Instrumental
3	Non-volatile Content (Solids)	As per specification	52.3 % w/w	Gravimetry / ASTM D1644
4	Viscosity at 25 °C	As per specification	227 cP	Brookfield viscometry
5	pH (as supplied)	As per specification	5.3	Potentiometry
6	Density at 25 °C	As per specification	1.070 g/mL	ASTM D1475
7	Heavy Metals (as Pb)	Not more than 20 ppm	Less than 10 ppm	ICP-OES
8	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.