

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	Hydrolyzed Polymaleic Anhydride (HPMA)
C.A.S. Number	26099-09-2
Molecular Formula	—
Molecular Weight	—
Grade / Standard	48% solution Technical
Physical Form	Yellow to brown liquid
Product Category	Water Treatment Chemicals
Country of Origin	India

ANALYTICAL RESULTS

S. No.	Test Parameter	Specification	Result	Method
1	Description	Yellow to brown liquid	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Assay	Not less than 48.0 % w/w	48.47	Titrimetry / Instrumental
4	Specific Gravity at 25 °C	As per specification	Conforms	Hydrometry
5	pH (as supplied)	As per specification	6.2	Potentiometry
6	Iron (as Fe)	Not more than 50 ppm	7.1 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	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.