

CERTIFICATE OF ANALYSIS

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

Product Name	Potassium Permanganate	C.A.S. Number	7722-64-7
Product Category	Oxidizers & Bleaching Agents	Product Group	Permanganates
Grade / Standard	≥99% Technical	Physical Form	Dark purple crystalline powder
Country of Origin	India	Document No.	SCX/COA/4AD137
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	Dark purple 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	Assay	Not less than 99.0 % w/w	99.30	Iodometric titration
5	Matter Insoluble in Water	Not more than 3.0 % w/w	1.22	Gravimetry
6	Moisture	Not more than 8.0 % w/w	3.28	Gravimetry
7	Bulk Density	As per specification	0.77 g/mL	Tapped density
8	Particle Size — through 8 mesh	Not less than 95 %	96.7	Sieve analysis
9	Thermal Stability	Complies (self-accelerating decomposition test)	Complies	UN Test O.1 / SADT

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.