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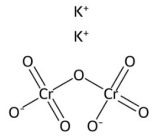
CIN U46909GJ2025PTC164345

CERTIFICATE OF ANALYSIS Standard product specification

Potassium Dichromate

CAS 7778-50-9 · Cr2K2O7 · ≥99% Technical



STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	Potassium Dichromate
C.A.S. number	7778-50-9
Molecular formula	Cr2K2O7
Molecular weight	294.18 g/mol
Grade / standard	≥99% Technical
Description	Orange-red crystalline solid
Product group	Chromium Compounds
Category	Inorganic Salts & Compounds
Country of origin	India
Packing	Bags, drums, carboys, IBC or ISO tank as applicable — customer-specified packing available
Storage	Cool, dry, well-ventilated place in tightly closed original packing

2. ANALYTICAL SPECIFICATION

S. NO.	TEST PARAMETER	SPECIFICATION	TYPICAL RESULT	METHOD
1	Description	Orange-red crystalline solid	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	99.34	Titrimetry / Instrumental
5	Matter Insoluble in Water	Not more than 0.05 % w/w	0.013	Gravimetry

6	pH (5 % w/v aqueous solution)	As per specification	8.6	Potentiometry
7	Chloride (as Cl)	Not more than 0.01 % w/w	0.0007	Turbidimetry / IC
8	Sulphate (as SO4)	Not more than 0.02 % w/w	0.0065	Turbidimetry / IC
9	Iron (as Fe)	Not more than 20 ppm	5.0 ppm	ICP-OES / AAS
10	Heavy Metals (as Pb)	Not more than 10 ppm	Less than 5 ppm	ICP-OES
11	Moisture	Not more than 1.0 % w/w	0.24	Karl Fischer / Gravimetry

3. DECLARATION

This document sets out the standard specification for Potassium Dichromate and applies to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with, and travels with, each consignment. Scapex Exports supplies against customer-specified assay limits and pharmacopoeial standards — send your specification sheet and we confirm compliance in writing before the order is accepted.

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