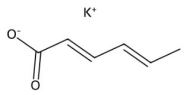
Scapex Exports Pvt. Ltd.
830, 8th Floor, Sun Gravitas, Times of India Road,
Shyamal, Ahmedabad 380015, Gujarat, India
+91 9925522674 · info@scapexexports.com
CIN U46909GJ2025PTC164345

CERTIFICATE OF ANALYSIS — Standard product specification

Potassium Sorbate

CAS 24634-61-5 · C6H7KO2 · ≥99% food grade



STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	Potassium Sorbate
C.A.S. number	24634-61-5
Molecular formula	C6H7KO2
Molecular weight	150.22 g/mol
Grade / standard	≥99% food grade
Description	White crystalline granules
Product group	Preservatives
Category	Food Ingredients & Additives
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	White crystalline granules	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	99.22	Titrimetry / Instrumental
5	Loss on Drying	Not more than 1.0 % w/w	0.64	Gravimetry (FCC)

6	Lead (Pb)	Not more than 2.0 ppm	Less than 0.5 ppm	ICP-MS / AOAC
7	Arsenic (As)	Not more than 1.0 ppm	Less than 0.2 ppm	ICP-MS / AOAC
8	Mercury (Hg)	Not more than 0.1 ppm	Less than 0.02 ppm	ICP-MS / AOAC
9	Cadmium (Cd)	Not more than 0.5 ppm	Less than 0.05 ppm	ICP-MS / AOAC
10	Sulphated Ash	Not more than 0.5 % w/w	0.067	Gravimetry (FCC)
11	Heavy Metals (as Pb)	Not more than 10 ppm	Less than 5 ppm	ICP-OES
12	Total Aerobic Microbial Count	Not more than 1000 cfu/g	133 cfu/g	IP / USP <61>
13	Total Yeast & Mould Count	Not more than 100 cfu/g	13 cfu/g	IP / USP <61>
14	Escherichia coli	Absent in 1 g	Absent	IP / USP <62>
15	Salmonella species	Absent in 10 g	Absent	IP / USP <62>

3. DECLARATION

This document sets out the standard specification for Potassium Sorbate 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.

