



Product Specification

Product Name: **Aluminium Potassium Sulfate 12-hydrate ACS**
CAS No: 7784-24-9
Alternate Name: Potash Alum
Molecular Formula: $\text{AlK}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
Molecular Weight: 479.39 g/mol
HS Code: 2833 30 00
Odour: Odourless
Appearance: Solid crystals and/or crystalline powder
Density: 1.75 g/cm³
Bulk density: ~900 kg/m³
Melting Point: ~92.5°C (release of water of crystallization)
Storage: Without limitations

<u>Sr No</u>	<u>Test Parameter</u>	<u>Value</u>
1.	Test Solution (5g in 50ml water)	Solution is clear and colourless
2.	Assay, as $\text{AlK}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$	98.0 – 102.0%
3.	Water Insoluble matter	0.005% max.
4.	Chloride, as Cl	5 ppm max.
5.	Ammonium, as NH_4	0.005% max.
6.	Heavy Metals, as Pb	0.001% max.
7.	Iron, as Fe	0.001% max.
8.	Sodium, as Na	0.02% max.