



Product Specification

Product Name:	Aluminium Potassium Sulfate 12-hydrate AR
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/cm ³
Bulk density:	~900 kg/m ³
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.	pH value (5% w/v solution in water)	> 3.0
3.	Assay, as $\text{AlK}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$	99.5% min.
4.	Water Insoluble matter	0.005% max.
5.	Chloride, as Cl	0.001% max.
6.	Ammonium, as NH_4	0.025% max.
7.	Arsenic, as As	0.0002% max.
8.	Copper, as Cu	0.0005% max.
9.	Heavy Metals, as Pb	0.0005% max.
10.	Iron, as Fe	0.0005% max.
11.	Sodium, as Na	0.01% max.