

# Aluminium potassium sulfate dodecahydrate (Alum)

NeuroPure® | Laboratory Extra Pure Reagent

**KAl(SO<sub>4</sub>)<sub>2</sub>·12 H<sub>2</sub>O**

**M = 474.39 g/mol**

## Specification

Assay		99.0 - 100.5	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Appearance of solution		Conforms	
pH		3.0 - 3.5	
Iron	≤	0.01	%
Heavy metals	≤	0.002	%
Ammonium	≤	0.2	%
Loss on drying		43.0 - 46.0	%

**Product Code: 1.2490.**

## Technical Information

Formula	AlK08S2*12 H 2O
Chemical formula	KA(SO <sub>4</sub> ) <sub>2</sub> ·12 H <sub>2</sub> O
Density	1.75 g/cm <sup>3</sup> (20°C)
Molar mass	474.39 g/mol
Bulk density	~900 kg/m <sup>3</sup>
CAS number	7784-24-9
HS Code	28333000
EC number	233-141-3
Storage	Without limitation
SDS	available
Odour	odourless
Form	solid
Color	colourless
pH	3.0 - 3.5 (100g/l 20 °C)
Solubility in water	139 g/l (20°C)
Solubility in ethanol	insoluble
Melting point	92.5 °C
Thermal decomposition	>780 °C

Glass Bottles		Plastic Bottles		Plastic Container	
5	gr	100	gr	1	kg
10	gr	500	gr	5	kg
25	gr	800	gr	10	kg

