

## PHINE KEMIKALS INDIA

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## **Product Specification**

Product Name: Aluminium Sulfate 16-hydrate AR

CAS No: 16828-11-8

Molecular Formula: Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>.16H<sub>2</sub>O Molecular Weight: 630.39 g/mol HS Code: 2833 22 10 Odour: Odourless

Appearance: White Solid powder and/or crystals

1.72 g/cm<sup>3</sup> Density: Bulk density: ~820 kg/m<sup>3</sup>

Melting Point: ~90°-95° C (release of water of crystallization)

Storage: Without limitations

Agglomerates on prolonged storage

<u>Sr No</u>	Test Parameter	<u>Value</u>
1.	Test Solution (10% w/v solution in water)	Solution is clear and colourless
2.	pH value (5% w/v solution in water)	2.5 – 3.5
3.	Assay, as Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> .16H <sub>2</sub> O	99.5 – 101.0%
4.	Chloride, as Cl	0.001% max.
5.	Ammonium, as NH <sub>4</sub>	0.01% max.
6.	Arsenic, as As	0.0003% max.
7.	Copper, as Cu	0.0006% max.
8.	Heavy Metals, as Pb	0.001% max.
9.	Iron, as Fe	0.004% max.
10.	Potassium, as K	0.005% max
11.	Sodium, as Na	0.05% max.

Original Re-Release: July 2016 Amendment No: - Original

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