

2598 –ALUMINIUM AMMONIUM SULPHATE, EXTRA PURE

Ref No: TBL/QA/SS/LC/2598	STANDARD SPECIFICATION FOR ALUMINIUM NITRATE (NONAHYDRATE) EXTRA PURE	Rev. No: 03
Issue No: 04		Review Date: 28/10/2024
Issue Date: 29/10/2021		Product code: 2598

PRODUCT PROPERTIES

C.A.S Number	7784-27-2
Chemical Formula	$\text{Al}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$
Formula weight	375.134
Functional Uses	Aluminum nitrate nonahydrate may be used in the following studies: - Synthesis of mullite fibers by sol-gel method. - Preparation of amorphous aluminosilicate xerogels of 9.4mol% (15 mass%) Al_2O_3 composition. - Preparation of amorphous aluminosilicate xerogels with varying chemical compositions.
Standard Packaging	500 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White colour crystal with chunks.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Chloride (Cl)	NMT-0.005%
Sulphate (SO_4)	NMT-0.01%
Sodium (Na)	NMT-0.01%
Iron (Fe)	NMT-0.02%
Potassium (K)	NMT-0.01%
Assay	NLT-98.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

