

231 –ALUMINIUM AMMONIUM SULPHATE, EXTRA PURE

Ref No: TBL/QA/SS/LC/231	STANDARD SPECIFICATION FOR ALUMINIUM AMMONIUM SULPHATE, EXTRA PURE	Rev. No: 03
Issue No: 04		Review Date: 28/10/2024
Issue Date: 29/10/2021		Product code: 231

PRODUCT PROPERTIES

C.A.S Number	7784-26-1
Chemical Formula	$\text{AlNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
Formula weight	453.33
Functional Uses	Ammonium aluminum sulfate dodecahydrate may be used in the preparation of alum ($\text{Al}(\text{OH})_3$) gel and monodispersed yttrium aluminum garnet (YAG) powder.
Standard Packaging	500 gm, 5 Kg, 50 Kg.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Arsenic (As)	NMT – 0.003%
Chloride (Cl)	NMT - 0.005%
Iron (Fe)	NMT – 0.001%
Heavy Metal (Pb)	NMT – 0.005%
Assay	NLT – 99.0%

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

