

TMB 121– ALUMINIUM AMMONIUM SULPHATE (Molecular Biology Grade)

REF NO: TBL/QA/SS/LC/TMB 121	STANDARD SPECIFICATION FOR ALUMINIUM AMMONIUM SULPHATE (Molecular Biology Grade)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 121

PRODUCT PROPERTIES

C.A.S Number	7784-25-0
Chemical Formula	$\text{AlNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
Formula weight	453.32
Functional Uses	NA
Standard Packaging	500 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.
Solubility	100 mg soluble in 1 ml of water.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Chloride (Cl)	NMT – 0.001%
Calcium (Ca)	NMT – 0.05%
Iron (Fe)	NMT – 0.001%
Sodium (Na)	NMT – 0.01%
Potassium (K)	NMT – 0.05%
Water insoluble matter	NMT – 0.005%
Heavy Metal (Pb)	NMT – 0.005%
DNases/RNases	None detected
Proteases/Phosphatases	None detected
Assay	98.0 – 102.0%

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

