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Certificate of Analysis

Product	82126 - Ammonium Sulphate for molecular biology, 99.5% - [7783-20-2]
Batch No	9104697
Analysis Date	29-Feb-2024
Date of Manufacture	February 2024
Expiry Date/Re-Test Date	February 2029
Molecular Formula	H8N2SO4
Molecular Weight	132.13

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 50% aq. solution	Clear	Clear
Solubility (Colour) 50% aq. solution	Colourless	Colourless
Assay (T)	min. 99.5%	99.9%
pH (5% aq. solution)	5.0 - 6.0	5.4
Insoluble matter	max. 0.005%	0.001%
Residue on ignition	max. 0.005%	0.002%
Chloride (Cl)	max. 0.0005%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Phosphate (PO4)	max. 0.0005%	Passes
Nitrate (NO3)	max. 0.001%	Passes
Arsenic (As)	max. 0.00002%	Passes
Absorbance (A) of 1M aq. solution in a 1cm cell v/s H2O		
@260nm	max. 0.027	0.015
@280nm	max. 0.022	0.012
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/82126 Rev No. 3 Date 05/06/2022

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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