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## Certificate of Analysis

**Product** **16992 - Ammonium Chloride for molecular biology, 99.5% - [12125-02-9]**  
**Batch No** **6542966**  
**Analysis Date** 29-Apr-2024  
**Date of Manufacture** April 2024  
**Expiry Date/Re-Test Date** April 2029  
**Molecular Formula** NH<sub>4</sub>Cl  
**Molecular Weight** 53.49

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (AT)	min. 99.5%	99.7%
pH (5% aq. solution)	4.5 - 5.5	5.1
Loss on ignition	max. 0.01%	0.007%
Iron (Fe)	max. 0.0001%	Passes
Sulphate (SO <sub>4</sub> )	max 0.002%	Passes
Pyridine & Homologues	max. 0.001%	Passes
Phosphate (PO <sub>4</sub> )	max. 0.0002%	Passes
Copper (Cu)	max. 0.0002%	Passes
Heavy Metals (Pb)	max. 0.0002%	Passes
Absorbance (A) of 1M aq. solution in a 1cm cell v/s H <sub>2</sub> O		
@260nm	max. 0.02	0.012
@280nm	max. 0.02	0.010
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/16992 Rev No. 5 Date 15/10/2023

Prepared by Yogesh

In compliance with the standard specifications of SRL

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

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