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## Certificate of Analysis

**Product** 70434 - Cadmium Nitrate Tetrahydrate extrapure AR,  
ACS, 99% - [10022-68-1]  
**Batch No** 5691884  
**Analysis Date** 22-Jun-2024  
**Date of Manufacture** June 2024  
**Expiry Date/Re-Test Date** June 2029  
**Molecular Formula** Cd(NO<sub>3</sub>)<sub>2</sub>.4H<sub>2</sub>O  
**Molecular Weight** 308.47

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (EDTA Titration)	min. 99%	99.2%
pH (5% aq. solution)	3.0 - 5.0	4.13
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO <sub>4</sub> )	max. 0.002%	Passes
Iron (Fe)	max. 0.001%	Passes
Calcium (Ca)	max. 0.005%	Passes
Copper (Cu)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.003%	Passes
Sodium (Na)	max. 0.005%	Passes
Zinc (Zn)	max. 0.001%	Passes
Magnesium (Mg)	max. 0.02%	Passes

FRM/82/11/4/70434 Rev No. 1 Date 01/11/2015

Prepared by Priti

In compliance with the standard specifications of SRL

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

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