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## Certificate of Analysis

<b>Product</b>	<b>79225 - Calcium Nitrate Tetrahydrate extrapure AR, ACS, 99% - [13477-34-4]</b>
<b>Batch No</b>	<b>5840071</b>
<b>Analysis Date</b>	13-Jan-2024
<b>Date of Manufacture</b>	January 2024
<b>Expiry Date/Re-Test Date</b>	January 2029
<b>Molecular Formula</b>	Ca(NO <sub>3</sub> ) <sub>2</sub> .4H <sub>2</sub> O
<b>Molecular Weight</b>	236.15

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off-white	White
Appearance (Form)	Hygroscopic crystals	Hygroscopic crystals
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (EDTA Titration)	min. 99.0%	99.6%
pH (5% aq. solution)	5.0 - 7.0	6.1
Insoluble matter	max. 0.005%	0.001%
Chloride (Cl)	max. 0.005%	Passes
Sulphate (SO <sub>4</sub> )	max. 0.002%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Nitrite (NO <sub>2</sub> )	max. 0.001%	Passes
Barium (Ba)	max. 0.005%	Passes
Magnesium (Mg)	max. 0.05%	Passes
Potassium (K)	max. 0.005%	Passes
Sodium (Na)	max. 0.01%	Passes
Strontium (Sr)	max. 0.05%	Passes

FRM/82/11/4/79225 Rev No. 2 Date 27/09/2022

Prepared by Prasad

In compliance with the standard specifications of SRL

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

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