

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : CALCIUM NITRATE TETRAHYDRATE LR**

<b>CAS No</b>	: 13477-34-4	<b>Product code</b>	: 13270
<b>Mol. Formula</b>	: Ca(NO <sub>3</sub> ) <sub>2</sub> .4H <sub>2</sub> O	<b>Batch No</b>	: MCR-34048
<b>Mol. WT</b>	: 236.15	<b>Mfd.</b>	: May 2025
<b>Date of analysis</b>	: 20/05/25	<b>Exp.</b>	: April 2030

S.R	Test	Specification	Observation
1	<b>Description</b>	Colourless deliquescent crystals or white deliquescent crystalline powder.	Colourless deliquescent crystals.
2	<b>Assay</b>	98 % min	99.12%
3	<b>Melting point</b>	about 42 <sup>o</sup> C	42 <sup>o</sup> C
4	<b>pH (5% Water)</b>	5 - 7.5	6.10
5	<b>Chloride(Cl)</b>	0.005% max	< 0.005%
6	<b>Sulphate (SO<sub>4</sub>)</b>	0.02 % max	< 0.02 %
7	<b>Iron (Fe)</b>	0.001% max	< 0.001%
8	<b>Lead (Pb)</b>	0.001% max	< 0.001%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Shruti)**



**[QC Incharge]**



**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

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