

## 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-29465
<b>Mol. WT</b>	: 236.15	<b>Mfd.</b>	: Oct. 2023
<b>Date of analysis</b>	: 10/10/23	<b>Exp.</b>	: Sept. 2028

S.R	Test	Specification	Observation
1	<b>Description</b>	Colourless deliquescent crystals or white deliquescent crystalline powder.	White deliquescent crystalline powder.
2	<b>Assay</b>	98 % min	99.30%
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	6.62
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]**

**[QC Incharge]**

**CHEMIST  
(Priyanka)**

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

**Note:** Computer generated image requires no sign.

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