



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : CALCIUM NITRATE TETRAHYDRATE LR**

**CAS No : 13477-34-4**  
**Mol. Formula :  $\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$**   
**Mol. WT : 236.15**  
**Date of analysis : 29/12/22**

**Product code : 13270**  
**Batch No : MCR-19947-01**  
**Mfd. : Dec. 2022**  
**Exp. : Nov. 2027**

S. R	Test	Specification	Observation
1	<b>Description</b>	Colourless deliquescent crystals or crystalline powder.	Colourless deliquescent crystals.
2	<b>Assay</b>	98 % min	99.96%
3	<b>Melting point</b>	about 42 <sup>o</sup> C	42.4 <sup>o</sup> C
4	<b>pH (5% Water)</b>	5 - 7.5	6.28
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**  
**(Priti)**

**[QC Incharge]**

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

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

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