

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : L (+) TARTARIC ACID DEXTRORATATORY LR**

<b>CAS No</b>	: 87-69-4	<b>Product code</b>	: 19300
<b>Mol. Formula</b>	: C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>	<b>Batch No</b>	: MCR-30043
<b>Mol. WT</b>	: 150.09	<b>Mfd.</b>	: Dec. 2023
<b>Date of analysis</b>	: 28/12/23	<b>Exp.</b>	: Nov. 2028

S.R	Test	Specification	Observation
1	<b>Description</b>	Colourless crystals or white crystalline powder	A white crystalline powder.
2	<b>Assay</b>	99.0% w/w min	99.95% w/w
3	<b>Specific rotation</b> [α] <sup>20</sup> <sub>D</sub>	+11.9 <sup>0</sup> to 12.3 <sup>0</sup>	+12.25 <sup>0</sup>
4	<b>Chloride (Cl)</b>	0.002% max	< 0.002%
5	<b>Sulphate (SO<sub>4</sub>)</b>	0.05% max	< 0.05%
6	<b>Oxalate (C<sub>2</sub>O<sub>4</sub>)</b>	0.05% max	< 0.05%
7	<b>Iron (Fe)</b>	0.002% max	< 0.002%
8	<b>Loss on drying (105<sup>0</sup>c)</b>	0.5% max	0.18%
9	<b>Sulphated ash</b>	0.1% max	0.009%

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Jyoti)**

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

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

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