



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : L (+) TARTARIC ACID DEXTROROTATORY AR**

<b>CAS No</b>	<b>: 87-69-4</b>	<b>Product code</b>	<b>: 26440</b>
<b>Mol. Formula</b>	<b>: C<sub>4</sub>H<sub>6</sub>O<sub>6</sub></b>	<b>Batch No.</b>	<b>: MCRT-30043</b>
<b>Mol. WT</b>	<b>: 150.09</b>	<b>Mfd.</b>	<b>: Dec. 2023</b>
<b>Date of analysis</b>	<b>: 28/12/23</b>	<b>Exp.</b>	<b>: Nov. 2028</b>

S.R	Test	Specification	Observation
1	<b>Description</b>	Colourless crystals or white crystalline powder.	White crystalline powder.
2	<b>Assay</b>	99.5% min	99.95%
3	<b>Specific rotation<math>[\alpha]^{20}_D</math></b>	+11.9° to+12.3°	+12.25°
4	<b>Insoluble matter</b>	0.005%max	0.002%
5	<b>Sulphated ash</b>	0.01%max	0.009%
6	<b>Chloride (Cl)</b>	0.0005%max	<0.0005%
7	<b>Sulphate (SO<sub>4</sub>)</b>	0.01%max	<0.01%
8	<b>Lead (Pb)</b>	0.0005%max	<0.0005%
9	<b>Iron (Fe)</b>	0.0005% max	<0.0005%
10	<b>Calcium (Ca)</b>	0.002%max	<0.002%
11	<b>Nickel (Ni)</b>	0.0001%max	<0.0001%
12	<b>Magnesium (Mg)</b>	0.002%max	<0.002%
13	<b>Oxalate (C<sub>2</sub>O<sub>4</sub>)</b>	0.01%max	<0.01%
14	<b>Phosphate (PO<sub>4</sub>)</b>	0.0005%max	<0.0005%

**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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