



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : TARTARIC ACID LR (+) DEXTRO ROTATORY**

<b>CAS No</b>	<b>: 87-69-4</b>	<b>Product code</b>	<b>: 19300</b>
<b>Mol. Formula</b>	<b>: C<sub>4</sub>H<sub>6</sub>O<sub>6</sub></b>	<b>Batch No</b>	<b>: MCR-19154</b>
<b>Mol. WT</b>	<b>: 150.09</b>	<b>Mfd.</b>	<b>: July 2019</b>
<b>Date of analysis</b>	<b>: 13/07/19</b>	<b>Exp.</b>	<b>: June 2024</b>

<b>S. R</b>	<b>Test</b>	<b>Specification</b>	<b>Observation</b>
1	<b>Description</b>	A white crystals or crystalline powder	A white crystalline powder
2	<b>Assay</b>	99.0% w/w min	99.58% w/w
3	<b>Specific rotation<math>[\alpha]^{20}_D</math></b>	+11.9 <sup>0</sup> to 12.3 <sup>0</sup>	+12 <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	0.3%
9	<b>Sulphated ash</b>	0.1% max	0.07%

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

**[Tested By]**

**[QC Incharge]**

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

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

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