



# BIO-CHEM CHEMICALS

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## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	<b>L (+) TARTARIC ACID 99.5% EXTRAPURE</b>
<b>Cas No.</b>	<b>87-69-4</b>
<b>Code No.</b>	<b>B-02618</b>
<b>Batch No.</b>	<b>BC12241018</b>
<b>Mfg.Date</b>	<b>DEC-2024</b>
<b>Date of Analysis</b>	<b>12/01/2024</b>
<b>Retest Date</b>	<b>JAN-2029</b>

<b>TEST</b>	<b>SPECIFICATION</b>	<b>RESULT</b>
Appearance	White crystalline powder	White crystalline powder
Assay	Min 99.5%	99.76%
Specific optical rotation ( $[\alpha]_{20/D}$ )	+12.0° to +12.8°	+12.3°
Chloride (Cl)	Max 0.002%	Less than 0.002%
Sulphate (SO <sub>4</sub> )	Max 0.015%	Less than 0.015%
Oxalate (as C <sub>2</sub> H <sub>2</sub> O <sub>4</sub> )	Max 0.05%	Less than 0.05%
Heavy metal (as Pb)	Max 0.001%	Less than 0.001%
Copper (Cu)	Max 0.001%	Less than 0.001%
Zinc (Zn)	Max 0.001%	Less than 0.001%
Arsenic (As)	Max 0.0001%	Less than 0.0001%
Loss on drying (at 105°C)	Max 0.05%	0.22%
Sulphated ash	Max 0.005%	0.012%

REMARK: This product complies as per the specifications of **BIO-CHEM CHEMICALS**.

**This is an electronically generated certificate and is valid without a signature.**

For Issues relating to quality you may send us a mail on [info@biofinechemical.com](mailto:info@biofinechemical.com) or call on **+91-7404210730** Website- [www.biofinechemical.com](http://www.biofinechemical.com)