



# BIO-CHEM CHEMICALS

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## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	<b>L(+)-TARTARIC ACID DIAMMONIUM SALT,99%</b>
<b>Cas No.</b>	<b>3164-29-2</b>
<b>Code No.</b>	<b>B-0248C</b>
<b>Batch No.</b>	<b>BC10241652</b>
<b>Mfg.Date</b>	<b>Oct-2024</b>
<b>Date of Analysis</b>	<b>31/10/2024</b>
<b>Retest Date</b>	<b>DEC-2029</b>

<b>TEST</b>	<b>SPECIFICATION</b>	<b>RESULT</b>
<b>Appearance</b>	Semitransparent white Crystals	Semitransparent white Crystals
<b>Assay</b>	98.0%	99.95%
<b>Infrared spectrum</b>	Conforms	Conforms
<b>Heavy metals (as Pb)</b>	=<10 ppm	=<10 ppm
<b>Titration with HClO<sub>4</sub></b>	>=98.5 %	100.2 %
<b>Sulfated ash</b>	=<0.05 %	0.005 %
<b>Chloride (Cl)</b>	=<50 ppm	=<50 ppm
<b>Sulfate (SO<sub>4</sub>)</b>	=<50 ppm	=<50 ppm
<b>Specific optical rotation</b>	+31.4° to +33.4° (20°C, 589 nm) (c=1.84, H <sub>2</sub> O)	+33° (20°C, 589 nm) (c=1.84, H <sub>2</sub> O)
<b>Insoluble matter</b>	=<0.005 % (in water)	=<0.005 % (in water)
<b>pH</b>	6.0 to 7.0 (5 % solution)	6.5 (5 % solution)

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)