



Serving Scientific Community  
Since 1985



**TECHNO PHARMCHEM**

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)  
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)  
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)  
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com  
Website : www.technopharmchem.com

### CERTIFICATE OF ANALYSIS

**Name of the Sample** : L (+) Tartaric Acid Extra Pure  
**Batch No.** : 224949  
**Date of Mfg** : Sep 2021  
**Date of Exp** : Aug 2026  
**Register No.** : 2021-22  
**Qty of Sample** : 500gm  
**Date of Analysis** : Sep 2021

S.No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	White crystalline powder
2.	Assay	99.6%	Min.99.5%
3.	Specific optical rotation ( $[\alpha]_{20/D}$ )	+12.34°	+12.0° to +12.8°
4.	Chloride	< 0.002%	Max.0.002%
5.	Sulphate	< 0.015%	Max.0.015%
6.	Oxalate	< 0.05%	Max.0.05%
7.	Heavy metals	< 0.001%	Max.0.001%
8.	Copper	< 0.001%	Max.0.001%
9.	Zinc	< 0.001%	Max.0.001%
10	Arsenic	< 0.0001%	Max.0.0001%
11.	Loss on drying at 105°C	< 0.5%	Max.0.5%
12.	Sulphated ash	< 0.05%	Max.0.05%

**Chief Chemist**