

## Certificate of Analysis

Date of Testing: 2024-12-11 19:10:00

Date of Next Testing: 2027-12-11 19:10:00

Product Name: **L-Ascorbic acid**

CAS Number: 50-81-7

Specifications & Purity: Moligand™, anhydrous, ACS, ≥99%

Lot #: L2409091

SKU #: **L432793**

Version: **1**

Analysis #: **260457**

| Parameter                                                       | Limit Values                                                     | Result                                                           |
|-----------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Specific Rotation[a] <sub>25</sub> /D(c=10 in H <sub>2</sub> O) | 20.5-21.5 (°)                                                    | 20.86000 °                                                       |
| Assay (Titration with Iodine)                                   | 99-100 (%)                                                       | 99.80 %                                                          |
| Ignition Residue                                                | 0-0.1 (%)                                                        | 0.04 %                                                           |
| Iron(Fe)                                                        | 0-0.001 (%)                                                      | 0.00 %                                                           |
| Heavy metals                                                    | 0-0.002 (%)                                                      | 0.00 %                                                           |
| Proton NMR spectrum                                             | Conforms to Structure                                            | Conforms to Structure                                            |
| Appearance(L432793)                                             | white to off-white to yellowish,powder or crystals and/or chunks | white to off-white to yellowish,powder or crystals and/or chunks |



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QA & QC Manager