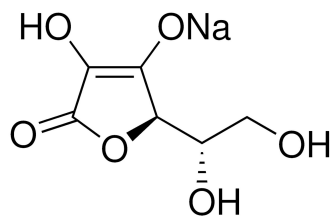


# Certificate of Analysis

**Product Name :** (+)-Sodium L-ascorbate crystalline, ≥98%  
**Product Number :** A7631-VAR  
**Batch Number :** 0000436391  
**Source Batch :** 0000359602  
**CAS Number :** 134-03-2  
**MDL Number :** MFCD00082340  
**Molecular Formula :** C<sub>6</sub>H<sub>7</sub>NaO<sub>6</sub>  
**Formula Weight :** 198.11 g/mol  
**Recommended Retest Date :** Aug 2029  
**Quality Release Date :** 23 Aug 2024



| Test   | Specification             | Result    |
|--|---------------------------|-----------|
| Appearance (Color)                                     | White to Off White        | White     |
| Appearance (Form)                                      | Powder                    | Powder    |
| Solubility (Color)                                     | Colorless to Light Yellow | Colorless |
| Solubility (Turbidity)                                 | Clear                     | Clear     |
| 50 mg/mL, H <sub>2</sub> O                             |                           |           |
| Infrared Spectrum                                      | Conforms to Structure     | Conforms  |
| Sodium (Na)  | 10.8 - 12.8 %             | 10.9 %    |
| Specific Rotation                                      | 103 - 108 °               | 105 °     |
| c = 1, CO <sub>2</sub> free H <sub>2</sub> O, 25 deg C |                           |           |
| Purity (TLC)   | ≥ 98 %                    | 100 %     |
| Titration with Iodine                                  | ≥ 98 %                    | 100 %     |

Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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