MFCD00064550

C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub> · HCI

210.66 g/mol

30 May 2025

May 2031

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## **Certificate of Analysis**

Product Name : Product Number : Batch Number : Source Batch : CAS Number : MDL Number : Molecular Formula : Formula Weight : Recommended Retest Date : Quality Release Date :

L-Arginine monohydrochloride reagent grade, ≥98% (HPLC), powder A5131-1KG 0000462633 0000448382 H<sub>2</sub>N<sup>NH</sup> O H<sub>2</sub>N<sup>N</sup> NH<sub>2</sub>OH · HCI 1119-34-2

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/ml, H2O		
Infrared Spectrum	Conforms to Structure	Conforms
Carbon	33.5 - 34.9 %	34.2 %
Nitrogen	26.1 - 27.1 %	26.4 %
Specific Rotation	21.4 - 23.6 °	22.3 °
(c = 8, 6 M HCl, 20 deg C)		
Purity (HPLC)	≥ 98 %	100 %

yaromanie

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. 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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