

Specification

Technical Data Sheet

CAS**1119-34-2****STORAGE****Ambient****MOLECULAR WEIGHT****210.66****PRODUCT****L-Arginine hydrochloride (Pharma Grade)****Product number** 90033206**CAS number** 1119-34-2**Molecular formula** C₆H₁₄N₄O₂·HCl**Molecular weight** 210.66 g/mol**PARAMETER****SPECIFICATION**

Appearance	White crystalline powder
Assay	98.5 - 101.5%
Grade	Conforms to USP
Loss on Drying	≤ 0.2%
Specific rotation	+21.4° to +23.6°
Total plate count	≤ 1000 CFU/g
Chloride (Cl-)	16.5 - 17.1%
Chromatographic purity	≤ 0.5% of any single impurity. ≤ 2.0% of total impurities found.
Residue on Ignition	≤ 0.1%
Identification (IR)	Conforms to Reference
Mould & Yeast	≤ 100 CFU/g
Sulphates (SO₄)(2-)	≤ 0.03%

**SPECIFICATION
STATEMENT**

The values stated above represent the standard specification for this product, issued under **Molekula Ltd**'s quality management system. Batch-specific results are provided on the Certificate of Analysis.

STORAGE

Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

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