

## Certificate of Analysis

**Product Description:** L-Arginine Hydrochloride, cell culture reagent

**Catalog Number:** 194627

**Lot:** YC12005

**Formula :** C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>·HCl

**CAS #:** 1119-34-2

**Physical Description:** White to Off-white Crystalline Powder

**Formula Weight:** 210.7

**Storage:** 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Optical Rotation(c=8,2 N HCl)	+20° to +23°	+22.4°
Loss on Drying	≤ 0.5%	0.13%
Melting Point	220-230°C	226-228°C

Assay: 99.6%

Heavy Metals: ≤ 20ppm

Residue on ignition: 0.04%

Chloride: 16.6%

Sulfate: ≤ 0.03%

Recommended Retest Date(MM/DD/YYYY): 06/04/2024



12/14/2022 - Lily Liu

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