

# 宁波巍力生物科技有限公司

NINGBO WAYLEAD BIOTECHNOLOGY CO.,LTD.

## TECHNICAL DATA SHEET

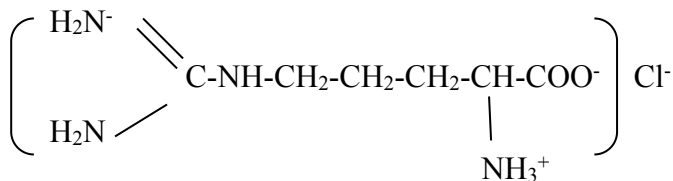
Products: L-Arginine Hcl

CAS# : 1119-34-2

Molecular formula: C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>·HCl

Molecular weight: 210.66g/mol

Structure:



### SPECIFICATION:

Infrared Spectrum	Compares to standard	Qualified
Appearance	White crystals or crystalline powder	Qualified
Specific rotation[a] <sub>D</sub> <sup>20°</sup>	+22.1°~+22.9°	+22.5°
State of solution	Clear and colorless NLT 98.0%	98.5%
Chloride(Cl)	16.58%~17.00%	16.7%
Ammonium(NH <sub>4</sub> )	≤0.02%	0.014%
Sulfate(SO <sub>4</sub> )	≤0.02%	0.015%
Iron(Fe)	≤10PPm	8PPm
Heavy metals(Pb)	≤10PPm	5PPm
Arsenic(As <sub>2</sub> O <sub>3</sub> )	≤1PPm	Qualified
Other amino acids	Chromatographically not detectable	Qualified
Loss on drying	≤0.2%	0.1%
Residue on ignition	≤0.1%	0.1%
Assay	99.0~101.0%	99.3%
PH	4.7-6.2	5.3

Physical description:

Appearance: White crystals or crystalline powder ; slightly characteristic taste.Freely soluble in water and in formic acid, very slightly soluble in ethanol, practically insoluble in ether.

freely soluble in water .

Solubility (H<sub>2</sub>O , g/100g): 73(20<sup>0</sup>), 122(40<sup>0</sup>), 163(60<sup>0</sup>)

Shelf life: two years

Function: It is normally used for food additive.

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### Packing and storage:

25kg paper drums/bags , with 2 pieces polyethylene intermediate layer. It should be stored in dry, normal room temperature condition and no direct sunshine.

张巍