

Quality Specification of L-Arginine

Product Name: **L-Arginine Base**

CAS No.: 74-79-3

Quality Standard: USP

Shelf Life: 2 Years

Item	Specification
Appearance	White crystals or crystalline Powder
Assay (Titration)	98.5% to 101.5%
Specific Rotation $[\alpha]_D^{20}$	+26.3~+27.7°
pH value	10.5~12.0
Chloride (Cl)	≤ 0.05%
Sulfate (SO ₄)	≤ 0.03%
Iron (Fe)	< 10 ppm
Loss on Drying	≤ 0.5%
Organic Volatile Impurities	Meet USP requirement
Heavy metals	≤ 10 ppm
Residue on Ignition	≤ 0.30%
Microbiology Test:	
Total plate Count	≤ 1000 cfu/g
Mold and Yeasts	≤ 100 cfu/g
E. Coli	Negative
Salmonella	Negative

Storage: Store in dry place and keep away from strong direct light and heat.

Note: The product is tested in accordance with USP quality standards. An actual batch product's quality meets or is better than the specification requirements.