

PRODUCT DATA SHEET

USP XXIV Specification

Arginine Hydrochloride

[L-Arginine monohydrochloride. L-(+)-Arginine monohydrochloride]

CAS No. [1119-34-2

$C_6H_{14}N_4O_2HCl$

M.W.: 210.66

Description: White crystals or crystalline powder, practically odorless. Freely soluble in water.

Identification: A) Infrared absorption
B) A solution (1 in 10) responds to the tests for chloride

SPECIFICATION:

Specific rotation (781S)	:	+21.4 ^o - +23.6 ^o
Loss on drying (731)	:	Not more than 0.2 %
Residue on ignition (281)	:	Not more than 0.01 %
Sulfate (221)	:	Not more than 0.03 %
Arsenic	:	Not more than 1.5 ppm
Heavy metals \ Method I (231)	:	Not more than 0.002%
Organic volatile impurities/ Method I (467)	:	Meets the requirements
Chloride content	:	16.5% - 17.1%
Assay	:	98.5% - 101.5%
Packaging and storage	:	Preserve in well-closed containers