

PRODUCT DATA SHEET

D-Arginine monohydrochloride

CAS No. [627-75-8]

$C_6H_{14}N_4O_2HCl$

M.W.: 210.66

SPECIFICATION:

Solubility in water	:	Colorless and clear (c=5) T \geq 98.0% (430nm, 10mm)
Specific rotation $[\alpha]_{20}^D$:	-22.1 ~ -22.9 $^{\circ}$ (c=8, 6N-HCl)
Loss on drying	:	not more than 0.3 %
Residue on ignition (as sulfate)	:	not more than 0.1 %
Sulfate (SO ₄)	:	not more than 0.03 %
Heavy metals (as Pb)	:	not more than 10 ppm
Iron (Fe)	:	not more than 10 ppm
Ammonium salts (NH ₄)	:	not more than 0.02 %
Arsenic (As)	:	not more than 1 ppm
Other amino acids	:	not detected by T.L.C. (The spotted amount, 20 μ g)
Assay	:	98.5 – 101.0 %