

# PRODUCT DATA SHEET

## D-Arginine

CAS No. [157-06-2]

$C_6H_{14}N_4O_2$

M.W.: 174.20

### SPECIFICATION:

Solubility in water	:	Colorless and clear (c=5) T $\geq$ 96.0% (430nm, 10mm)
Specific rotation [a] <sub>20</sub>	:	-26.5 ~ -27.8 <sup>o</sup> (c=8, 6N-HCl)
Loss on drying	:	not more than 0.5 %
Residue on ignition (as sulfate)	:	not more than 0.2 %
Chloride (Cl)	:	not more than 0.05 %
Sulfate (SO <sub>4</sub> )	:	not more than 0.03 %
Heavy metals (as Pb)	:	not more than 10 ppm
Iron (Fe)	:	not more than 10 ppm
Ammonium salts (NH <sub>4</sub> )	:	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 $\mu$ g)
Assay	:	98.5 – 101.0 %
L-Isomer	:	not more than 1%