

Technical data sheet

Date: 26/11/2010

Product Code: PM-P1416

Description: L-LYSINE, MONOHYDROCHLORIDE

Synonyms: Lyamine, L-Lysine Hydrochloride, Lysine Hydrochloride, darvyl, 2,6-diaminohexanoic acid monohydrochloride, lysion

Molecular Weight: 182.65 g/mol

CAS No. 657-27-2

Chemical Formula: $C_6H_{14}N_2O_2.HCl$

Storage: Room Temperature

Tests	Specifications
Purity	$\geq 99.0\%$
Loss on drying	$\leq 0.4\%$
Residue on ignition	$\leq 0.1\%$
pH (10% solution)	5.0 – 6.0
Transmittance	$\geq 95.0\%$
Specific Rotation	+ 20.4 ° to + 21.4 °
Heavy metals	$\leq 10\text{ppm}$
Arsenic	$\leq 1\text{ ppm}$
Iron	$\leq 0.003\%$
Sulfate	$\leq 0.03\%$
Chloride	19.0% to 19.6%
ORGANIC VOLATILE IMPURITIES	
Methylene Chloride	< 500ppm
Chloroform	< 50ppm
Trichloroethylene	< 100ppm
Benzene	< 100ppm
1,4-dioxane	< 100ppm

Recommended Use:

Products supplied by Biosera are for cell culture/in vitro Laboratory use only, not for drug human or veterinary use.

Powder is extremely hygroscopic and should be protected from atmospheric moisture. The entire contents of each package should be used immediately after opening