



PRODUCT INFO  
& DATASHEET

## *L-LYSINE Monohydrate 98.5%*

### **DESCRIPTION**

A white or pale brown, practically odorless, crystalline powder with a unique taste.

### **CHEMICAL PROPERTIES**

Synonym	:	2,6 diaminohexanoic acid hydrochloride
Formula	:	$C_6H_{14}N_2O_2 \cdot HCl$
Structure	:	$NH_2(CH_2)_4CH(NH_2)COOH \cdot CHI$
Molecular weight	:	182.65

### **PHYSICAL PROPERTIES**

Assay	:	not less than 98.5% of l-lysine monohydrochloride not less than 78.8% of l-lysine
Loss on drying	:	max. 1.5%
Melting point	:	about 213 dgr. C. (with decomposition)
Residue on ignition	:	max. 1.0%
Solubility	:	freely soluble in water and practically insoluble in alcohol and in ether
Arsenic (as $As_2O_3$ )	:	not ore than 1 ppm
Heavy metals (as Pb)	:	not more than 30 ppm
Nitrogen	:	15.34%

### **STORAGE**

L-lysine monohydrochloride should be stored in a well closed packing.