



FEED PRODUCTS
& Service Company South

L-Lysine

Feed Grade

Commodity	Chemical Composition	L-Lysine Monohydrochloride 99%(Feed Grade)
	CAS Registry Number	657-27-2
Product Description	White to cream colored free-flowing crystalline powder	
Chemical Description	Molecular Formula	$C_6H_{14}N_2O_2 \cdot HCl$
	Molecular Weight	182.65
	Structure Formula	$NH_3^+ - CH_2 - CH_2 - CH_2 - CH_2 - CH - COO^-] Cl^-$ <div style="text-align: center; margin-left: 150px;"> $$ NH_3^+ </div>
Specifications	Purity(Dry Basis)	not less than 99%
	pH(10% Solution)	5 ~ 6
	Specific Rotation	$[\alpha]_D^{20} + 19^{\circ} \sim +21.5^{\circ}$
	Solubility	64.2g/100ml of water at 20°C
	Bulk Density	660Kg/Cm ³ ± 5%
		41.5lb/cu.ft ± 5%
	Shelf Life	3 years
	Moisture	not more than 1%
	Residue on Ignition	not more than 0.3%
Heavy Metals	not more than 10ppm	
	Arsenic	not more than 1ppm
Nutritional Value	Lysine Contents	not less than 79%
	Crude Protein Contents	not less than 94%
	Swine Metabolizable Energy	4150 Kcal/Kg
	Poultry Metabolizable Energy	3890 Kcal/Kg
Packaging Options	Paper bag	25Kg 4-ply Kraft paper bag with 1-ply inner P.E tube
	Bulk bag	800Kg P.P. Woven bag P.E.laminated
	Bulk truck	18,000-20,000 kg



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