



L-Lysine

Feed Grade

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| Commodity | Chemical Composition | L-Lysine Monohydrochloride 98.5%(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 | $NH_3^+ - CH_2 - CH_2 - CH_2 - CH_2 - CH - COO^-] Cl^-$ $ $ NH_3^+ |
| Specifications | Purity(Dry Basis) | not less than 98.5% |
| | 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 |
| | Bulk bag | 800Kg P.P. Woven bag P.E.laminated |
| | Bulk truck/rail | 18,000-20,000 kg |

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