L-Lysine HCl  Feed Grade

Chemical Specifications

Chemical formula: \(\text{C}_6\text{H}_{14}\text{N}_2\text{O}_2\text{HCl}\)
Molecular Weight 182.65
Percent Nitrogen 14.95%
Description Yellowish-white, crystalline powder
Solubility in H\(_2\)O 64.2 g/100g water at 20\(^\circ\)C
Residue on ignition 0.5% (Max)
Bulk Density kg/L 0.55 – 0.65

Nutritional Specifications

L-Lysine content 78.8% (as dry product)
QC Analysis results for 1999
<table>
<thead>
<tr>
<th>Loss on Drying</th>
<th>Guarantee</th>
<th>Mean</th>
<th>SD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.5% (max)</td>
<td>0.29%</td>
<td>0.166</td>
</tr>
<tr>
<td>Purity</td>
<td>98.5% (min)</td>
<td>99.7%</td>
<td>0.249</td>
</tr>
</tbody>
</table>

Crude Protein (%/16g-N) 93.4%
Energy

<table>
<thead>
<tr>
<th></th>
<th>Swine(_1), DE</th>
<th>Swine(_1), ME</th>
<th>Swine(_2), NE</th>
<th>Poultry(_2), ME</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWINE(_1), DE</td>
<td>4860 (kcal/kg)</td>
<td>4410 (kcal/kg)</td>
<td>3435 (kcal/kg)</td>
<td>4120 (kcal/kg)</td>
</tr>
<tr>
<td>ME</td>
<td>2200 (kcal/lb)</td>
<td>2000 (kcal/lb)</td>
<td>1560 (kcal/lb)</td>
<td>1870 (kcal/lb)</td>
</tr>
</tbody>
</table>

Packaging Specifications

Lysine 25 kg bags:
Pallet size – 40” x 48”
Ti and hi – Width 45” - 46” x Depth 53” - 54” x Height 50” (on the pallet)
Stack pattern - 5 bags/layer 8 high

Lysine 1000 kg tote:
Pallet size – 40” x 48”
Tote dimensions (regular and short tote) – regular 37.5” x 37.5” x 66”
Short 39” x 39” x 60”
Loop size – 10” std Lift Loops on all 4 corners

Bulk truck

1. J. Noblet, INRA, France (Personal communications, 2000)
2. Larbier, INRA, France
3.

The information contained herein is correct to the best of our knowledge. The recommendations or suggestions made in this document are made without guarantee or representation as to result.

For animal feed only – not for human consumption