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Typical Product Specifications & Properties

L-Alanine

CAS Number: : 56-41-7

| Specifications | Limits |
|---------------------|---------------|
| Density | 1.401 |
| Ammonium | 0.02% Max |
| Heavy Metals | 0.001% Max |
| Specific Rotation | 14.3-15.2 deg |
| Iron | 0.01% Max |
| Chloride | 0.020% Max |
| Loss on Drying | 0.20% Max |
| Slightly Soluble | in alcohol |
| Residue on Ignition | 0.10% Max |
| Assay | 99.0%-101.0% |
| Sulfate | 0.020% Max |
| Bulk Density | 0.7-0.8 g/ml |



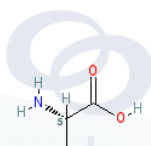

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| Specifications | Limits |
|--------------------|--|
| Identification | Positive |
| Mesh | 90% pass 40-60 mesh |
| Odor | wh. cryst. powd., odorless, sweet taste |
| Solubility | water |
| Transmittance | 98.0% Min |
| Melting Point | 297 c (dec.) |
| Arsenic | 0.0001% Max |
| pH | 5.7-6.7 |
| Appearance | White crystalline powder |
| Insolubility | in ether |
| Molecular weight | 89.09 |
| Chemical Structure |   |



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