

PRODUCT DATA

D-Alanine

Description

D-Alanine is white, odorless crystal or crystalline powder. It is all soluble in water, but insoluble in ethanol, acetone and ether.

Information

| | |
|-------------------|--|
| Chemical name | D(R)-2-Aminopropionic acid |
| Molecular formula | CH ₃ CH(NH ₂)COOH |
| Molecular weight | 89.09 |
| CAS | 338-69-2 |
| Packing | Fiber drum, net 30kg per drum |

Specification (complies with: JSFA)

| | |
|---------------------------------------|-------------|
| Assay, % | ≥98.5 |
| Loss on drying (105°C, 3hs), % | ≤0.2 |
| Stereochemical purity, %, D/(L+D)×100 | ≥99.9 |
| Ammonium sulfate, % | ≤1.00 |
| Specific rotation (α) 20D | -15.3~-13.7 |
| Arsenic (As), mg/kg | ≤1.0 |
| Heavy metals (as Pb), mg/kg | ≤15 |
| Sulfate ash, w/% | ≤0.1 |
| Transmittance | ≥95.0 |
| pH (5% Solution) | 5.5~7.0 |
| Chloride, mg/kg | ≤15 |