

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