

# Product Specifications

**Product Name**

**D-Alanine**

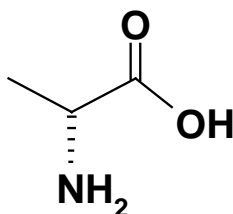
*Syn:*

D-Ala; D-2-Aminopropionic Acid; R-Ala;  
R-2-Aminopropionic Acid

**CAS No.**

**338-69-2**

**Structure Formula**



**Mol. Formula**

**C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>**

**Mol. Weight**

**89.02**

**Standard**

**AJI 92**

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*Test*

*Specification*

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**Appearance**

White, microcrystalline solid

**Identity**

TLC; IR

**Mp**

118-120 °C

**Assay (hplc)**

99.0% - 100.5%

**Specific rotation, [α]<sub>D</sub>**

-18.0<sup>0</sup> to -22.0<sup>0</sup> [c= 1.0; H<sub>2</sub>O]

**pH**

1.7 - 3.0

**Ash**

< 0.1%

**LOD**

≤ 0.5 %

**Heavy metals (Pb)**

≤ 20ppm

**Arsenic**

≤ 2.0ppm

**Other amino acids**

Not detectable

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