



## Specification

### DL-Alanine AJI

**Catalog Number:** AL1006  
**CAS Number:** 302-72-7  
**Molecular Formula:**  $\text{CH}_3\text{CH}(\text{NH}_2)\text{COOH}$   
**Molecular Weight:** 89.09  
**Storage:** 15°C – 30°C  
**Retest Date:** Two years after date of manufacture.

Test	Specification
Appearance	White crystals
Assay (on dried basis)	98.5 % to 101.0%
Transmittance	$\geq 98.0\%$
Moisture (LOD)	$\leq 0.2\%$
pH	5.5 – 7.0
Residue on Ignition	$\leq 0.10\%$
Chloride	$\leq 0.020\%$
Sulfate	$\leq 0.020\%$
Heavy Metals	$\leq 10\text{ppm}$
Arsenic	$\leq 1\text{ppm}$
Ammonium	$\leq 0.02\%$
Iron	$\leq 20\text{ppm}$
Other Amino Acids	Not detected

Approved by:

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