



Certificate of Analysis

DL-Alanine AJI

Catalog Number: AL1006
Lot Number: 0205007
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
Date of Manufacture: November 25, 2019
Retest Date: November 24, 2021

Test	Specification	Result
Appearance	White crystals	Conforms
Assay (on dried basis)	98.5 % to 101.0%	99.2%
Transmittance	$\geq 98.0\%$	99.5%
Moisture (LOD)	$\leq 0.2\%$	0.10%
pH	5.5 – 7.0	6.31
Residue on Ignition	$\leq 0.10\%$	0.06%
Chloride	$\leq 0.020\%$	$< 0.020\%$
Sulfate	$\leq 0.020\%$	$< 0.020\%$
Heavy Metals	$\leq 10\text{ppm}$	$< 10.0\text{ppm}$
Arsenic	$\leq 1\text{ppm}$	$< 1\text{ppm}$
Ammonium	$\leq 0.02\%$	$< 0.02\%$
Iron	$\leq 20\text{ppm}$	$< 20\text{ppm}$
Other Amino Acids	Not detected	Conforms

Approved by:

Date: February 6, 2020

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