

## **Gojira Fine Chemicals, LLC**

Quality Products & Services Meeting Customer Needs
5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146
www.gojirafc.com • sales@gojirafc.com

## **Certificate of Analysis**

## **L-Alanine USP**

Catalog Number:AL1002Lot Number:0321804CAS Number:56-41-7Molecular Formula:C3H7NO2Molecular Weight:89.09

Storage: 15°C – 30°C

Date of Manufacture: March 30, 2017

Retest Date: March 29, 2019

Test	Specification	Result
Appearance	White crystals	Conforms
Assay (on dried basis)	99.0 % to 101.0%	99.32%
Identification	Positive	Conforms
Specific rotation	+14.30 to +15.20°	14.63°
Moisture (LOD)	≤ 0.2%	0.08%
pH	5.7 – 6.7	6.2
Chromatographic impurity	Total ≤ 2.0%	< 2.0%
	Individual ≤ 0.5%	< 0.5%
Residue on ignition	≤ 0.15%	0.02%
Chloride	≤ 0.05%	< 0.02%
Sulfate	≤ 0.03%	< 0.02%
Heavy Metals	≤15ppm	< 10.0ppm
Arsenic	≤ 5.0ppm	< 1.0ppm
Cadmium	≤ 0.3ppm	< 0.3ppm
Iron	≤ 30ppm	< 10.0ppm
Lead	≤ 5.0ppm	< 5.0ppm
Mercury	≤ 0.2ppm	< 0.2ppm
Total Plate Count	≤ 1,000cfu/g	< 10cfu/g
Yeast & Mold	≤ 100cfu/g	< 10cfu/g
Coliforms	Negative	Negative
E. Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus Aureus	Negative	Negative
Mesh size	≥ 95% thru 20mesh	Conforms
Bulk Density	0.6 – 0.8g/mL	Conforms

Approved by:

John Grubb, PhD

Gojira Fine Chemicals, LLC

ohn grubb

For research purposes only. Not for drug or clinical use in humans or human food additive use.

Date: March 22, 2018



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**Quality Manager** 

Tel: 440-539-7033 Fax: 888-211-5523

john@gojirafc.com