

## **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

## **Specification**

## L-Glutamic Acid AJI92

Catalog Number: CAS Number: Synonym(s): Molecular Formula: Molecular Weight: Storage: Retest Period: GA1005 56-86-0 (S)-2-Aminopentanedioic acid, Glu  $C_5H_9O_4N$ 147.13 15°C – 30°C Two years from the date of manufacture

Test	Specification
Appearance	White powder
Assay	99.0 – 100.5%
Identification (FTIR)	To match reference spectra
Specific Rotation (c=10, 2N HCI)	+31.5° to +32.5°
State of Solution	Clear & colorless
Transmittance	≥ 98.0%
рН	3.0 – 3.5
Moisture (LOD)	≤ 0.2%
Residue on Ignition	≤ 0.1%
Other Amino Acids	To meet requirements
Ammonium	≤ 0.02%
Chloride	≤ 0.02%
Sulfate	≤ 0.02%
Heavy Metals	≤ 10ppm
Arsenic	≤ 1ppm
Lead	≤ 1ppm
Iron	≤ 10ppm
Mercury	≤ 0.2ppm
Total Plate Count	≤ 1,000cfu/g
Yeast & Mold	≤ 100cfu/g
E. coli	Negative/25g
Salmonella	Negative/25g
S. aureus	Negative/25g
Ammende	Data: Cantambar 11, 2019

Approved:

hn grubb

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