



Specification

Monosodium L-Glutamate Monohydrate FCC

Catalog Number:	MG1001
CAS Number:	6106-04-3
Synonym(s):	L-2-Aminopentanedioic acid, MSG, Sodium L-glutamate
Molecular Formula:	$C_5H_8NNaO_4 \cdot H_2O$
Molecular Weight:	187.13
Storage:	15°C – 30°C
Retest Date:	Three years after date of manufacture.

Test	Specification
Appearance	White crystalline powder
Assay	≥ 99.0%
Identification Sodium Glutamate	To meet requirements To meet requirements
FTIR	To match reference spectra
Moisture (LOD)	≤ 0.22%
Specific Rotation	+24.8° to +25.3°
Solubility	Clear & colorless
pH (2%)	6.7 – 7.2
Chloride	≤ 0.2%
Heavy Metals	≤ 10 µg/g
Arsenic	≤ 1 µg/g
Cadmium	≤ 1 µg/g
Copper	≤ 1 µg/g
Lead	≤ 1 µg/g
Mercury	≤ 0.05 µg/g
Pyrrolidone Carboxylic Acid	Negative
Total Plate Count	≤ 1000 cfu/g
Yeast & Mold	≤ 100 cfu/g
Coliforms	≤ 3 MPN/g
E. coli	Negative
Salmonella	Negative
Enterobacteriaceae	≤ 10 cfu/g

Approved by:

John Grubb

Date: December 4, 2019



Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs
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