

**AJINOMOTO**

# Monosodium Glutamate

## **SPECIFICATIONS**

Manufactured by Ajinomoto in Iowa, U.S.A.

### FINE CRYSTAL (FC)

<b>Assay</b>	Content not less than 99.0% of $C_5H_8NNaO_4 \cdot H_2O$ on the dried basis(non-aqueous titration).
<b>Description</b>	White, practically odorless crystals or crystalline powder with characteristic taste
<b>Identification test</b>	The infrared absorption spectrum of the sample exhibits relative maxima at the same wavelengths as those using the same test conditions of a typical spectrum as shown in the FCC 5th Edition section on Infrared Spectra, as specified therein.

#### Purity and physical property tests

<u>No.</u>	<u>Items</u>	<u>Limits</u>
1	Loss on drying	Not more than 0.5%
2	pH	6.7-7.2
3	Specific rotation $[\alpha]_{20D}$	+24.8-25.3°
4	Chloride	Not more than 0.2%
5	Arsenic	Not more than 2mg/Kg
6	Lead	Not more than 1mg/Kg
7	PCA	Passes test
8	Particle Size Distribution	250 $\mu$ m (ASTM #60) On $\leq$ 10% 90 $\mu$ m (ASTM #170) Pass $\leq$ 15%
9	Specific Volume	1.15-1.35 cm <sup>3</sup> /g

#### Additional specifications on requests

**Shelf Life:** Ajinomoto Co.'s Monosodium Glutamate will remain stable and effective for 5 years or more from the date of manufacturing when stored in a cool, dry environment.

**Country of Origin:** USA

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