

Specification code **MNG/1/CHE/E**

Date **12/12/2024**

## Product description

**Description** Monosodium Glutamate contains approximately one molecule of water of crystallization. It appears as white, practically odorless, free-flowing crystals or crystalline powder. It is freely soluble in water, and is sparingly soluble in alcohol.

**Chemical formula** C5H8NaNO4H2O

**Colour** Clear and Colorless

**Chemical Family** Amino Acid

## Others specs

**Allergens** A product is free from sulphite if the concentration in the product is not higher than 10 mg/kg (ppm)

**GMO** The product does not contain and has not been produced from genetically modified organisms

**Storage** MSG does not require any special storage and handling conditions. We recommend avoiding direct ray of light and store in a cool and dry place

## Physical chemical analysis

**Purity** min 99 %

**pH (5% solution)** 6.7 – 7.2

**Transmittance** ≥ 98%

**Specific Rotation** +24.90 ~ +25.30

**Sulphate** ≤ 0.05 %

**Loss on Drying** ≤ 0.50%

**Chloride** ≤ 0.10%

**Pyrrolidone Carboxylic Acid** ≤ 0.20%

**Iron (Fe)** ≤ 5 ppm

**Lead (Pb)** ≤ 1 ppm

**Arsenic (As)** ≤ 1 ppm

**Cadmium (Cd)** ≤ 1 ppm

**Mercury (Hg)** ≤ 0.05 ppm

## Microbiological analysis

**Total Plate Count** <1000 cfu/g

**Mould and yeasts** ≤50 cfu/g

**E. coli** Negative

**Total Coliform** Negative

**Pathogenic microorganism (Salmonella sp)** Negative

## Our certificates

