



Monosodium glutamate

Meets USP-NF testing specifications

Product Code: TC561U

Product Description :

Molecular Weight: 187.13

Molecular Formula: $C_5H_8NNaO_4 \cdot H_2O$

CAS No.: 6106-04-3

Quality Control:

Appearance

White, practically odourless, free-flowing crystals or crystalline powder

Solubility

Freely soluble in water, sparingly soluble in alcohol

Clarity and color of solution

10% solution in water is colourless and has no more turbidity than the standard solution

pH (5% in water at 25°C)

6.70 - 7.20

Identification A, FTIR

Matches with the standard pattern

Identification B

Reaction for sodium

Specific rotation

+24.80° to +25.30° (10% in 2N HCL at 20°C)

Chloride (Cl)

≤ 0.25%

Lead

≤ 0.0010%

Loss on drying (at 100° C, 5hr)

≤ 0.50%

Assay (NT)

99.00 - 100.50%

Storage and Shelf Life:

Store below 30°C away from bright light.

Shelf life is 48 months.

Use before expiry date given on the product label.

Disclaimer:

Revision : 04/2024

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