

(6S)-5-Methyltetrahydrofolic acid, Glucosamine Salt

PRODUCT SPECIFICATIONS



Description: Creamy to light brown powder

TESTS	SPECIFICATIONS	ANALYTICAL METHOD REFERENCE
Identification: - IR	Spectrum comparable with the reference standard	USP <197A>
Water content (K.F.)	≤ 8.0 %	USP <921> Method Ia (Reagents for aldehydes and ketones)
(6S)-5-Methyltetrahydrofolic acid, Glucosamine Salt assay on d.b. (HPLC)	96 – 105 % (equivalent to 54 – 59 % of (6S)-5-Methyltetrahydrofolic acid)	GN QT-001
Impurities: - Individual - Total	≤ 1.0 % ≤ 2.5 %	GN QT-002
Heavy metals (as Pb)	≤ 10 ppm	USP <231> Method II
Lead	≤ 1.0 ppm	USP <233>
Cadmium	≤ 0.5 ppm	USP <233>
Mercury	≤ 0.1 ppm	USP <233>
Arsenic	≤ 1.5 ppm	USP <233>
Diastereoisomeric purity (HPLC): (6S)- 5-Methyltetrahydrofolic acid	≥ 99.0 %	GN QT-003
Microbiological purity: - Total viable aerobic count - Total combined yeasts and molds - E. Coli - Salmonella sp. - S. aureus	≤ 10 ³ CFU/g ≤ 10 ² CFU/g Absent / 10 g Absent / 10 g Absent / 10 g	USP <2021> USP <2021> USP<2022> USP<2022> USP<2022>

Storage conditions:	Stored in the unopened original packaging at a temperature below 25 °C, the product is stable for the entire re-testing period.
Re-testing period:	18 months
Packing:	LDPE (low-density polyethylene) bags put inside of aluminium compound foil bags sealed under vacuum.
Packing size:	0.1 kg, 0.5 kg, 1 kg, 5 kg
Certifications:	Kosher (KOF-K Kosher Supervision), Halal (HIA)

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