

Quality Specification of Inositol

Product: **Inositol** (CAS Number: 87-89-8)

Quality Standard: National Formulary XII (NF12)/ Food Chemical Codex VI (FCCVI)

Shelf Life: 4 years

Description: It occurs as fine, white crystals or as a white crystalline powder. It is odorless, has a sweet taste, and is stable in air. Its solutions are neutral to litmus. It is optically inactive.

Item	Specification
Appearance	White crystalline powder
Assay	>99.0%
Identification (A, B)	Positive
Melting Point	224.0~227.0 °C
Loss on Drying	0.5% max.
Residue on Ignition	0.1% max.
Calcium	Pass Test
Sulfate (SO ₄)	0.006% Max.
Chloride (Cl)	0.005% Max.
Heavy Metal (as Pd)	4 ppm Max.
Mercury (Hg)	0.1 ppm Max.
Total plate count	1000 cfu/g Max.
Mould and yeast	100 cft/g Max.
Colon bacillus:	Absent
Salmonella per 25g	Absent

Storage: Store in dry place and keep away from strong direct light and heat.

Note: The product is tested in accordance with NF12/FCCVI quality standards.

An actual batch product's quality meets or is better than the specification requirements.