



Specification

Inositol NF

Catalog Number: IN1001
CAS Number: 87-89-8
Synonym(s): 1,2,3,4,5,6-Hexahydroxycyclohexane
Molecular Formula: C₆H₁₂O₆
Molecular Weight: 180.16
Storage: 15°C – 30°C
Retest Period: Four years from the date of manufacture

Test	Specification
Appearance	White to off-white crystalline powder
Assay	97.0 – 102.0%
Identification FTIR Chromatographic	To match reference spectra Retention time corresponds to standard
Melting Point	224.0°C – 227.0°C
Solubility (17%, H ₂ O)	Clear & colorless, lightly soluble in alcohol
Moisture (LOD)	≤ 0.5%
Residue on Ignition	≤ 0.1%
Calcium	To meet requirements
Chloride	≤ 0.005%
Sulfate	≤ 0.006%
Heavy Metals	≤ 25ppm
Iron	≤ 5ppm
Total Plate Count	≤ 1,000cfu/g
Mold & Yeast	≤ 100cfu/g
<i>E. coli</i>	Negative
<i>Salmonella</i>	Negative
Lots meet the specifications for NF12.	

Approved:

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