



MASTERCHEM LIMITED

Inositol

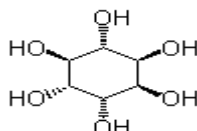
CAS NO.: 87-89-8

Molecular Formula: C₆H₁₂O₆

Structural Formula:

EINECS: 201-781-2

Molecular Weight: 180.16



Property:

Inositol is fine white crystal or crystalline powder. **Inositol** is Odorless and has sweet taste. The Melting Point of Inositol is 224-227°C. The relative density of Inositol is 1.752 and 1.542 (dihydrate compound). **Inositol** is stable in the air as well as in heat, acid and alkali. The solution to the Litmus is neutral. 1g **Inositol** can dissolved in 61 ml water. **Inositol** is insoluble in ethanol, ether and chloroform.

Specification:

Item	Index
Appearance	White crystalline powder with odorless
Taste	Sweet taste
Identification	Positive reaction(a,b)
Melting point	224-227°C
Loss on drying	≤0.5%
Residue on ignition	≤0.1%
Chloride	≤0.005%
Sulphate	≤0.006%
Calcium	Passes test
Iron	≤5ppm
Heavy metals	≤5ppm
Pb	≤0.5ppm
As	≤0.5ppm
Total plate count	<1000cfu/g
Yeast& mold	<100cfu/g
E.coli	Negative
Salmonella	Negative
Assay(anhydrous basis) inositol	≥97%

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Usage:

Inositol is mainly used in the preparation of various vitamin pills and nutritional amino-acid-vitamin injections. **Inositol** is also used in the treatment of Hepatocirrhosis, Hepatitis, Fatty Liver, Angiosclerosis, High Cholesterol Count etc.

Inositol can also prevent the aging of skin and Alopecia and used as food additive. **Inositol** is also a good feed additive for shrimps and fish.

Packing:

Inosital is packed in 25kg net bags.