

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Myo-Inositol (PTC)

Catalog Number : L-1703

Batch Number : 1703-00000000

CAS Number : 87-89-8

Molecular Weight : 180.16 g/mol

Mol. Formula : $C_6H_{12}O_6$

Expire Date : 60 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	white fine powder; may have clumps	white fine powder
2	Purity (Assay)	min 97.0 %	99.90%
3	FTIR	conforms to structure	passes
4	Appearance of solution	clear colorless	clear colorless
5	Solubility	soluble in water @ 50 mg/ml	passes
6	pH	Under development	5.6
7	Insolubles	none	passes
8	Loss on drying	max 0.5%	0.006%
9	Residu on ignition	max 0.1 %	< 0.1%
10	Biological Testing :		
	Test Concentration : 100 mg/L		
	Test Specification	Plant Celline	Results
	Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants	Parrot feather	passes
		Xanthi tobacco callus	passes

LABOTIQ® Myo-Inositol Plant Tissue Culture (PTC) Grade /Tested

Inteded use : Used as an organic supplement in plant tissue culture media to support cell growth, differentiation, and osmoregulation. Suitable for the preparation of plant tissue culture media and for use in research, quality control, and biotechnology applications.

Storage conditions : Store tightly closed in a cool, dry place protected from moisture and direct sunlight. Recommended storage temperature: 15–30°C.



SUDIRO S.Si.
Manager QC