



CERTIFICATE OF ANALYSIS

Product Name: D-Chiro-Inositol CAS No.: 643-12-9
Batch Number: 20240114 Batch Quantity: 150KG
Manufacture Date: 2024-01-14 Expiry Date: 2026-01-13

Items	SPECIFICATION	RESULTS
Characters	White or off white crystals or crystalline powder	White crystalline
Identification	Match with the standard	Conforms
Assay	97.0% - 103.0%	99.50%
Loss on drying	2.0% Max	0.01%
Residue on Ignition	0.5% Max	0.22%
Heavy Metals	10ppmMax	<10ppm
Chloride	0.5% Max	<0.5
Sulfate	0.5% Max	<0.5
Related compounds (HPLC,%)	Total impurities: 2.0% Max.	0.32%
	Sucrose: 1.0% Max.	Not detected
	Pinitol: 1.0% Max.	Not detected
	Glucose (dextrose): 1.0% Max.	Not detected
	Fructose: 1.0% Max.	Not detected
	Myo-Inositol: 1.0% Max.	Not detected
	Any unknow impurity: 1.0% Max.	<0.1
Optical activity	+63.0° ~67.0° , C=1.0 in H2O	+65.67°
Total plate counts(cfu/g)	100cfu/g Max.	Conforms
Yeast and mould(cfu/g)	100cfu/g Max.	Conforms
Salmonella(cfu/10g)	Negative	Conforms
Enterobacteria (cfu/g)	Negative	Conforms
Conclusion	Comply with USP43 Standard.	
Storage	Store in cool & dry place, keep away from strong light and heat.	

Shawn
Analyst

Rick
Approved

Whip
Header of QC