



## Certificate of Analysis

Product:	D-Chiro-Inositol	Cas No.:	643-12-9
Quantity:	1000 KG	Package:	25kg/drum
MFG Date:	2025/01/19	Batch No.:	DCI25011901
EXP Date:	2027/01/18	Standard:	USP

Item	Specification	Results
Characteristics	white or off-white crystals or crystalline powder	Conform
Heavy metals	$\leq 10\text{ppm}$	$<10\text{ppm}$
Identification	Match with the standard	Conform
Loss on drying	$\leq 2.0\%$	0.01%
Residue on ignition	$\leq 0.5\%$	0.01%
Chloride	$\leq 0.5\%$	$<0.5\%$
Sulfate	$\leq 0.5\%$	$<0.5\%$
Related compounds (HPLC) (calculated on the dried basis)	Total impurities $\leq 2.0\%$ Sucrose $\leq 1.0\%$ Pinitol $\leq 1.0\%$ Glucose (dextrose) $\leq 1.0\%$ Fructose $\leq 1.0\%$ myo-Inositol $\leq 1.0\%$ Any unknown impurity $\leq 0.1\%$	0.22 Not detected Not detected Not detected Not detected Not detected $<0.1\%$
Optical activity $[\alpha]^{20}_{\text{D}}$	$+63.0^{\circ}\sim 67.0^{\circ}, c=1.0$ in H <sub>2</sub> O	$+65.3^{\circ}$
Total Plate Count	$\leq 100\text{cfu/g}$	$<100\text{cfu/g}$
Total Yeast & Mold	$\leq 100\text{cfu/g}$	$<100\text{cfu/g}$
Salmonella	Absence/25g	Conform
Escherichia Coli	Absence/g	Conform
Assay (HPLC)	99.0~102.0%	99.9%
Conclusion:	This batch of goods meets the standard of USP.	

