

Certificate of Analysis

Product Name	D-chiro Inositol	Batch No.	M23M03158
CAS No.	643-12-9	MFG. Date	Mar 15, 2023
CAT No.	R006638	Retest Date	Mar, 2026
Items	Specification	Results	
Appearance	White or off white crystals or crystalline powder	White crystalline	
Loss on drying	$\leq 2.0\%$	0.06%	
Residue on ignition	$\leq 0.5\%$	0.01%	
Heavy Metals	≤ 10 ppm	< 10 ppm	
Chloride	$\leq 0.5\%$	$< 0.5\%$	
Sufate	$\leq 0.5\%$	$< 0.5\%$	
Related compounds(HPLC,%) (calculated on the dried basis)	Total impurities $\leq 2.0\%$	0.27	
	Sucrose $\leq 1.0\%$	Not detected	
	Pinitol $\leq 1.0\%$	Not detected	
	Glucose(dextrose) $\leq 1.0\%$	Not detected	
	Fructose $\leq 1.0\%$	Not detected	
	myo-Inositol $\leq 1.0\%$	Not detected	
	Any unknown impurity $\leq 0.1\%$	< 0.1	

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Optical activity [α] ^{20°C} _D	+63.0° ~67.0° , c=1.0 in H ₂ O	+64.7°
Assay(HPLC,%)	97.0~103.0	99.6
Total plate counts	≤100cfu/g	<100cfu/g
Yeast and Moulds	≤100cfu/g	<100cfu/g
Salmonella(cfu/10g)	Absence	Conforms
Escherichia coli(cfu/g)	Absence	Conforms
Conclusion	Corresponds.	
Storage Condition	Keep container tightly closed in a dry and well-ventilated place	

QC:

Alex Foster

QA:

Felix Hobart