



Certificate of Analysis

Product Name	D-Chiro Inositol	CAS.NO	643-12-9
Lot No.	KT20260410	Batch Quantity	150 kg
Manufacture Date	2026/04/10	Report Date	2026/04/29
Expiry Date	2028/04/09	Country of origin	P.R.China
Non-Irradiated / Non-ETO/ Treat by Heat Only / Non-GMO			

Analysis Items	Specification	Results
Assay of D-Chiro Inositol	$\geq 97\%$ -103.0%	99.6%
Identification	Positive	Complied
Related compounds(HPLC) (Calculated on the dry basis)	Total impurities $\leq 2.0\%$	0.33%
	Sucrose $\leq 1.0\%$	Not detected
	Pinitol $\leq 1.0\%$	Not detected
	Glucose(dextrose) $\leq 1.0\%$	Not detected
	Myo-inositol $\leq 1.0\%$	Not detected
	Any unknown impurities 0.1%	<0.1%
Physical and chemical properties		
Appearance	White fine powder	White crystalline
Odor	Slight, Specific	Conforms
Particle Size	$\geq 90\%$ Through 80 mesh	Conforms
Chloride	$\leq 0.5\%$	<0.5%
Optical activity $[\alpha]_D^{20^\circ}\text{C}$	$+63.0^\circ \sim 67.0^\circ$, c=1.0 in H ₂ O	$+65.0^\circ$
Sulfate	$\leq 0.5\%$	<0.5%
Loss on Drying	$\leq 2.0\%$	0.01%
Residue on ignition	$\leq 0.5\%$	0.01%
Heavy Metals	≤ 10.0 ppm	<10.0 ppm
Mercury(Hg)	≤ 0.1 ppm	<0.1 ppm
Arsenic(As)	≤ 1.0 ppm	<1.0 ppm
Lead(Pb)	≤ 0.5 ppm	<0.5 ppm
Cadmium(Cd)	≤ 0.1 ppm	<0.1 ppm
Microbiological Quality (Total viable aerobic count)		
Total Plate Count	≤ 100 CFU/g	Conforms
Mold and yeast Count	≤ 100 CFU/g	Conforms
E.coli	Negative	Conforms

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Salmonella	Negative	Conforms
Staphylococcus aureus	Negative	Conforms
*Storage Condition: Store in tightly closed plastic bag and keep in a cool dry place. Do not freeze. Keep always from strong direct light.		
*Shelf life: 2 Years When Stored properly		
*Safety Precaution: Wearing of protective goggles or safety glasses is recommended. If accidentally instilled into the eyes, immediately rinse thoroughly with water and get medical care. Wash skin with soap and water upon contact.		
Conclusion	Confirm to Specification and USP43 Standards.	

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