



Address: East of Tianmu Road, Laiyang Development Zone, Yantai City, Shandong Province, 265200, China

## Certificate of Analysis

Product Name	D-Chiro Inositol Granule		
Batch No.	S20241020	Weight	300g
Country of Origin	China	Manufacture Date	Oct 20, 2024
CAS NO.	643-12-9	Expiry Date	Oct 19, 2026

Items	Specifications	Results	Method
Appearance	White or off-white granule	White granule	Visual
Identification	Match with the standard	Complies	AMN22
Loss on drying (%)	$\leq 2.0$	0.16	CP<0831>
Residue on ignition (%)	$\leq 0.5$	0.01	CP<0841>
Heavy Metals (ppm)	$\leq 10$	<10	GB5009.74
Chloride (%)	$\leq 0.5$	<0.5	CP GR0801
Sulfate (%)	$\leq 0.5$	<0.5	CP GR0802
Related compounds (HPLC, %) (Calculated on the dried basis)	Total impurities $\leq 2.0$	0.50	USP
	Sucrose $\leq 1.0$	Not detected	USP
	Pinitol $\leq 1.0$	Not detected	USP
	Glucose(dextrose) $\leq 1.0$	Not detected	USP
	Fructose $\leq 1.0$	Not detected	USP
	myo-Inositol $\leq 1.0$	Not detected	USP
	Any unknown impurity $\leq 1.0$	<0.1	USP
Optical activity $[\alpha]_D^{20}$	+63.0°~67.0°, c=1.0 in H <sub>2</sub> O	+63.8°	CP GR0621
Assay(HPLC,%)	97.0~103.0	97.5	AMN22
Total plate counts(cfu/g)	$\leq 100$	<100	GB4789.2
Yeast and Moulds(cfu/g)	$\leq 100$	<100	GB4789.15
Salmonella(cfu/10g)	Absence	conforms	GB4789.4
Escherichia coli(cfu/g)	Absence	conforms	GB4789.38
Conclusion	Comply with Required Standards.		
Storage	Keep dry and store in tight containers at ambient temperature.		
Shelf life	24 months under the conditions below and in its original packaging.		

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