



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

Specification

Product Name:	D-Chiro Inositol Granule		
CAS No.	643-12-9	Molecular Formula	C ₆ H ₁₂ O ₆
Formula Weight	180.16	Pack Size	25kg/drum

Items	Specifications	Method
Appearance	White or off-white granule	Visual
Identification	Match with the standard	AMN22
Loss on drying (%)	≤2.0	CP<0831>
Residue on ignition (%)	≤0.5	CP<0841>
Heavy Metals(ppm)	≤10	GB5009.74
Chloride (%)	≤0.5	CP GR0801
Sulfate (%)	≤0.5	CP GR0802
Related compounds (HPLC, %) (Calculated on the dried basis)	Total impurities ≤2.0	USP
	Sucrose ≤1.0	USP
	Pinitol ≤1.0	USP
	Glucose(dextrose) ≤1.0	USP
	Fructose ≤1.0	USP
	myo-Inositol ≤1.0	USP
	Any unknown impurity ≤1.0	USP
Optical activity $[\alpha]_D^{20}$	+63.0°~67.0°, c=1.0 in H ₂ O	CP GR0621
Assay (HPLC, %)	97.0~103.0	AMN22
Total plate counts(cfu/g)	≤100	GB4789.2
Yeast and Moulds(cfu/g)	≤100	GB4789.15
Salmonella(cfu/10g)	Absence	GB4789.4
Escherichia coli(cfu/g)	Absence	GB4789.38
Storage	Keep dry and store in tight containers at ambient temperature.	
Shelf life	24 months under the conditions above and in its original packaging.	

QC Manager: Qiong Li

Analyst: Fan Sun

