



CERTIFICATE OF ANALYSIS

Product name D—Pinitol
Batch Number 13032102
Batch Quantity 10Kg
Manufacture Date: Mar. 10,2013
Date of Certificate Mar. 21,2013

ANALYSIS	SPECIFICATION	RESULTS
Physical Test		
Appearance	White powder	Complies
Loss on drying	$\leq 1.0\%$	0.09%
Residue on Ignition	$\leq 1.0\%$	0.2%
Melting Point	178°C -185°C	Complies
Specific Optical Rotation	$\geq +55^\circ$	+60.1°
Chemical Test		
Assay (HPLC)	$\geq 95.0\%$ (on anhydrous basis)	98.1%
Heavy Metal	<5ppm	Complies
As	<2ppm	Complies
Microbiology		
Total Plate Count	<1000cfu/g	120cfu/g
Yeast & Moulds	<100cfu/g	20cfu/g
E.Coli	Negative	Complies
Salmonella	Negative	Complies

Conclusion Conform with specification

Storage Store in sealed containers at cool & dry place.
Protect from light, moisture and pest infestation.

Shelf life 2 years when properly stored

QC: *Meng Pan*

QA: *Lianglei Zhang*

Date: 2013-03-21

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