



Jilin Haizi Biological Engineering Technology Co.,Ltd.  
 Add:Industrial Park,Economic Zone, Dunhua,  
 Jilin,China,133700  
 Tel:+86-433-5073298 Fax:+86-433-5073500

## Certificate of Analysis- Inositol

Batch Number: HZ-IN1811077  
 Batch Quantity:1000Kg  
 Packing: net 25kg/ drum

Manufacture Date:September.24.2018  
 Analysis Date: September.29.2018  
 Retest Date: September.23.2022

ANALYSIS ITEM	SPECIFICATION	RESULT	METHOD
Appearance	White crystalline powder	White crystalline powder	Visual
Taste	Sweet taste	Conform	Taste
Identification	Identification (B)	Meet the requirement	USP38-NF33
Melting point	224.0°C-227.0°C	225.1°C-226.2°C	FCC IX
Loss on Drying	≤0.5%	0.01%	105°C/4hrs
Residue on Ignition	≤0.1%	0.01%	750°C/5hrs
Clarity of Solution	Meet the requirement	Meet the requirement	USP38-NF33
Color of Solution	Meet the requirement	Meet the requirement	USP38-NF33
Assay	97.0%-102.0% on dried basis and NLT 96.5% as is basis	98.19%	HPLC
Chloride	≤0.005%	<0.005%	FCC IX
Sulfate	≤0.006%	<0.006%	FCC IX
Calcium	Meet the requirement	Meet the requirement	FCC IX
Barium	Meet the requirement	Meet the requirement	USP38-NF33
Heavy Metals	≤5ppm	<5ppm	CP2015
Lead	≤0.5ppm	<0.5ppm	AAS
Arsenic	≤0.5ppm	<0.5ppm	AAS
Mercury	≤0.1ppm	<0.1ppm	AAS
Cadmium	≤0.5ppm	<0.5ppm	AAS
Iron	≤5ppm	<5ppm	CP2015
Organic Impurities			
Total Impurities	<1%	<1%	USP38-NF33
Single Impurity	<0.3%	<0.3%	
Conductivity	≤20μS/cm	14.23μS/cm	USP38-NF33
Total Plate Count	<1000cfu/g	<10cfu/g	CP2015
Yeast & Mold	<100cfu/g	<10cfu/g	CP2015
E.Coli	Negative	Negative	CP2015
Salmonella	Negative	Negative	CP2015
Staphylococcus	Negative	Negative	CP 2015
Conclusion: The goods conform with FCC IX USP38-NF33			
Storage: Store in cool and dry place, keep away from strong light and heat.			

Analyst:

Chief inspector: