

Kalchem International

Chemicals & Compounding Supplies

CERTIFICATE OF ANALYSIS

Purchase order No.: 4502325330

Material No.: 1031131

Batch No 201501130 Packing 25 kg net per drum
 Date February 05, 2015 Net Weight 20000 kg
 Size Food Chemicals Codex Seventh Edition (FCC VIII)

RESULTS OF INSPECTION:

Description: Inositol occurs as fine, white crystals or as a white, crystalline powder. Its solutions are neutral to litmus. It is optically inactive. It is stable in air. One g is soluble in 6 ml of water. It is slightly soluble in alcohol, and is insoluble in ether and in chloroform.

Item	Test	Specifications	Test Results
Identification (A, B)		Positive Reaction	Positive Reaction
Assay		Between 97.0% and 101.0%	99.6%
Impurities			
Inorganic Impurities			
Calcium		Passes test	Passed test
Chloride		Not more than 0.005%	< 0.005%
Lead		Not more than 4mg/kg	Not detected
Arsenic		Not more than 3mg/kg	Not detected
Cadmium		Not more than 0.1 mg/kg	Not detected
Sulfate		Not more than 0.006%	< 0.006%
Heavy Metals (as Pb)		Not more than 0.002%	< 0.002%
Specific Tests			
Loss on drying: (105°C for 4h)		Not more than 0.5%	0.03%
Melting range		Between 224.0 and 227.0°C	224.9 - 226.0°C
Residue on Ignition		Not more than 0.1%	0.02%

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 224 South Main Street - Lindsay, OK 73052
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Particle Size	30 Mesh	100% pass
	40 Mesh	98% pass
	60 Mesh	91% pass
	80 Mesh	87% pass

Microbial content:

Total plate count	Not more than 1000cfu/g	<10cfu/g
Mould and yeast	Not more than 50cfu/g	<10cfu/g
Colion bacillus	Negative	Negative
Salmonella pr.25 gram	Negative	Negative
Coliforms	MPN/100g	Negative
Manufacturing Date	January 29,2015	
Expiry Date	January 28,2019	
Conclusion	The goods are complied with FCCVIII	

Analysed:

Checked:

Chief Inspector:

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Certificate of Analysis

INOSITOL

Customer Po: KT08/13/2015
Product No: 1031131
Lot No: 201501130
Manufacture Date: 01/29/2015
Expiration Date: 01/28/2019

Tests	Unit	Specification	Result
Identification A		Pass	Pass
Identification B		Pass	Pass
Melting Range	deg	224.0-227.0	224.9
Loss on Drying	%	< =0.5000	0.0300
Residue on Ignition	%	< =0.100	0.020
Assay	%	> =97.00	99.60
Chloride	%	< =0.0050	<0.0050
Sulfate	%	< =0.0060	<0.0060
Calcium		Pass	Pass
Heavy metals (as Pb)	%	< =0.0020	<0.0020
Lead	mg/kg	< =4.000	0.00
Arsenic	mg/kg	< =3.0000	0.00
Total Plate Count	CFU/g	< =1000	<10
Yeast & Mold	CFU/g	< =100	<10
Salmonella (cfu/g)		Negative	Negative
Salmonella (cfu/375g)		Negative	Negative

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