



Specialized in chemicals

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Certificate of Analysis

Product	Xanthan Gum	Batch Number	20130610
CAS No.	11138-66-2	N.W.	1,000.00kg
Packing	25kg/kraft bag	MFG Date	Jun. 10, 2013
G.W.	1,008.00kg	Analysis Date	Jun. 10, 2013
Expiry	Jun. 9, 2015		

Items	Specification	Results
Appearance	White like powder	confirm
Viscosity 1% solution in 1% Kcl	≥1200	1460
PH 1% solution	6.0-8.0	6.80
Loss on drying %	≤13	10.42
Ash %	≤13	7.34
Particle on size	Min93% 200 mesh	confirm
Shear ratio	≥6.0	7.50
V1/V2	1.02-1.45	1.02
Pyruvic acid %	≥1.5	confirm
Nitrogen %	≤1.5	0.70
Heavy metal mg/kg	≤20	confirm
Lead mg/kg	≤5.0	confirm
Arsenic mg/kg	≤3.0	confirm
Microbiological		
Total plant count cfu/g	≤1000	confirm
Yeast/mould cfu/g	≤100	confirm
E.coli	Absent/25g	confirm
Salmonella	Absent/25g	confirm

Checker Xu Dong Rechecker Lu Xiaoping Approval Du Yi
Conclusion The Quality of the above said is in conformity with Pharm.grade.
COA Issuer Quality Control Team-Technology Department
of Hefei TNJ Chemical Industry Co.,Ltd.



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