



**MPL Products**  
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## Certificate of Analysis

### Product – Xanthan Gum (200 mesh)

Serial Number	Test Item	Standard	Result
1	Appearance	Off-white or Light Yellow Free Flowing Powder or granular	Conform
2	Thru 200 mesh, %	≥85.0	97.1
3	Viscosity 1% XG in 1% KCL solution	≥1200	1270
4	PH(1%XG solution)	6.0-8.0	7.4
5	Shearing Ratio	≥6.5	7.9
6	Loss on Drying	≤13.0	8.3
7	Ash content	≤13.0	<13.0
8	Pyruvic Acid	≥1.5	>1.5
9	Qualitative Starch Determination	Absent	Absent
10	Qualitative Guar Determination	Absent	Absent
Rheology test 0.285%XG in seawater solution			
11	600rpm	≥70.0	97.5
12	300rpm	≥55.0	71.5
13	200rpm	≥45.0	61.5
14	100rpm	≥35.0	47.5
15	6rpm	≥18.0	21.5
16	3rpm	≥16.0	17.5
17	Brookfield LV 1.5r/min (cps)	≥1950.0	2850