



**MPL Products**  
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## Certificate of Analysis

### Product – Xanthan Gum (40 mesh)

Serial Number	Test Item	Standard	Result
1	Appearance	Off-white or Light Yellow Free Flowing Powder or granular	Conform
2	Thru 40 mesh, %	≥95.0	99.5
3	Viscosity 1% XG in 1% KCL solution	≥1200	1220
4	PH(1%XG solution)	6.0-8.0	7.6
5	Shearing Ratio	≥6.5	6.9
6	Loss on Drying	≤13.0	10.3
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	107.5
12	300rpm	≥55.0	78.5
13	200rpm	≥45.0	67.0
14	100rpm	≥35.0	52.0
15	6rpm	≥18.0	24.0
16	3rpm	≥16.0	19.0
17	Brookfield LV 1.5r/min (cps)	≥1950.0	3640