



Unilong Industry Co., Ltd

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CERTIFICATE OF ANALYSIS

Product Name:	Carbomer 980	Batch No.	JL20230202
CAS	9007-20-9/54182-57-9	MF Date	FEB.02,2023
Packing	20kg/drum	Analysis Date	FEB.02,2023
Quantity	5MT	Expiry Date	FEB.01,2025
Item	Standard	Result	
Appearance	White powder	White powder	
0.5% aqueous solution viscosity	40000-60000mpa.s	52100mpa.s	
0.2%aqueous solution viscosity	13000-30000mpa.s	20100mpa.s	
0.5% aqueous solution transmittance(420mm)	$\geq 92\%$	92.6%	
Residual ethyl acetate	$\leq 0.5\%$	0.35%	
Residual cyclohexane	$\leq 0.3\%$	0.19%	
Acrylic acid	$\leq 0.25\%$	0.13%	
Loss on drying	$\leq 2.0\%$	0.72%	
Conclusion	Qualified		

Analyst: Wen Qian

Quality Assurance Officer: Zhan Peng