



Unilong Industry Co., Ltd

Add: No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China

Contact: +86-18678775281

Website: www.unilongmaterial.com

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