



CERTIFICATE OF ANALYSIS

Product	Alpha GPC		CAS NO.:28319-77-9	
Batch No.	210319	Packing	5kgs/drum,2drums/carton	
Quantity	500kg	Product Date	Mar.19, 2021	
Expiry Date	Mar.18, 2023			
Items & Results				
Item	Spec.		Result	
Appearance	White powder, neutral odor, highly hygroscopic		Complies	
Identification	TLC:Standard solution and test solution same spot, RF		Complies	
Specific Optical	-2.4°~ -2.8°		-2.69°	
Water	<2%		0.26%	
Heavy Metal	≤20ppm		<10ppm	
pH	4.5~7.0		4.8	
Related substance	Spot not bigger than standard solution spot		No spot	
Residual Solvents	<0.5%		Complies	
Microbiological Test				
Standard Plate Count	≤1000cfu/g		<10cfu/g	
Yeast & Mold	≤100cfu/g		<10cfu/g	
Coliforms	≤3MPN/g		<3MPN/g	
Sulfate (SO4)	≤0.02%		Complies	
Chloride (Cl)	≤0.02%		Complies	
Phosphate Ion (P)	≤5ppm		Complies	
Assay (dried basis)	98.0%--102.0%		100.86%	
Conclusion	Sample meets the Standard.			
Storage	Store in tightly closed original container,protected from light,in a dry place at low temperature(≤25℃) 。			
Analyst	马亮	Review	刘爱琴	Supervisor of QC 李敏

