

CERTIFICATE OF ANALYSIS

Product Name	Glycyl-L-glutamine monohydrate	Batch No.	JL20230920
Man. Date	20230920	Batch Size	500kg
Report. Date	20230925	Expiry Date	20230919
Items of analysis	Specification	Results	
Appearance	White or off-white crystalline or crystalline powder	White crystalline powder	
Identification	IR spectrum is in concordance with that of CRS	Conforms	
Specific rotation	-1.2° ~ -2.4°	-1.7°	
pH	4.5~6.0	5.3	
Chloride	≤0.02%	Conforms	
Sulfate	≤0.02%	Conforms	
Fe	≤0.001%	Conforms	
Ammonium salt	≤0.10%	Conforms	
Arsenic salt	≤0.0001%	Conforms	
Water	7.0%~9.0%	8.2%	
Residue on ignition	≤0.1%	0.02%	
Related substances	Cyclo(gly-gln) ≤0.5%	Not Detectable	
	(Pyroglutamic acid) ≤0.5%	Not Detectable	

Analyst: Wen Qian
Quality Assurance Officer: Zhan Peng