



SUZHOU DORA AGRI-TECH CO., LTD
XINYI (HONGKONG) INDUSTRIAL CO., LTD

Certificate of Analysis

Product Name: Amino acid powder		Production Date: July, 25th, 2021		Package: 20kg / bag
Batch No.: 20210725		Expiry Date: July, 24th, 2023		Batch Size: 20KG
Test items	Units	Standard value	Detection value	Results
Solubility	%	whole melting	whole melting	qualified
Color Appearance	%	yellow light	yellow light	qualified
Total N	%	≥13.5	14.3	qualified
Organic Nitrogen	%	≥13.0	13.8	qualified
Cl-	%	≤1.5	0.48	qualified
(NH ₄ ⁺ , NH ₃) N+	%	0	0	qualified
(NO ₃ ⁻) N+	%	0	0	qualified
UREA	%	0	0	qualified
Moisture	%	≤5	4.9	qualified
Ash	%	≤5	3.2	qualified
PH	/	5.0~6.5	5.2	qualified
Aspartate	%	/	5.71	/
Threonine	%	/	2.84	/
Serine	%	/	3.32	/
Glutamic acid	%	/	11.12	/
Gly	%	/	12.61	/
Alanine	%	/	9.35	/
CYstine	%	/	2.54	/
Valine	%	/	2.65	/
Methionine	%	/	1.27	/
Isoleucine	%	/	2.63	/
Leucine	%	/	3.22	/
Tyrosine	%	/	1.25	/
Phenylalanine	%	/	2.22	/
Lysine	%	/	3.31	/
Histidine	%	/	0.97	/
Arginine	%	/	6.54	/
Proline	%	/	9.19	/



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Tryptophan	%	/	0.14	/
Amino acid	%	≥80	80.88	qualified
carbohydrate	%	7~9	8.2	qualified
Salmonella	CFU/G	May not be detected	Without	qualified
To other bacteria	CFU/G	Without	Without	qualified
As	mg/kg	≤5	<3	qualified
Pb	mg/kg	≤10	<5	qualified
Hg	mg/kg	≤5	<3	qualified
Cr	mg/kg	≤10	<5	qualified
Cd	mg/kg	≤5	<3	qualified
Ni	mg/kg	≤2	<1	qualified
Molecular weight distribution range for amino acid				
Carbon	%	≥ 30	34	qualified
Molecular weight range		Standard value	(%,λ220nm)	Results
≥3000	%	≤5	3.8	qualified
1000~3000	%	5~10	7.5	qualified
500~1000	%	20~25	21.5	qualified
180~500	%	55~65	58.7	qualified
≤180	%	5~10	8.5	qualified
Conclusion: The qualified				

Director of QC: Zhu

Checker: Zhao

Analyst: Ma

