Xiamen Jenny Chemical Technology Co., Ltd.
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CERTIFICATE OF ANALYSIS

Product Name	ARA290		
CAS NO.	1208243-50-8	Batch No.	2020052801
Quantity	1KG	Manufacturing Date	2020/6/25
Reference Standard	Enterprise Standard	Testing Date	2020/7/5

No.	Item	Specification	Test result
1	Appearance	White or almost white fluffy powder	Conform
2	Solubility	Soluble in water and acetic acid	Conform
3	Water Content (Karl Fischer)	≤ 8.0%	5.10%
4	Acetic Acid (By HPLC)	≤ 15.0%	10.80%
5	Amino acid ratio	Glu: 3.6-4.4	4.3
		Leu: 1.8-2.2	2.1
		Arg: 0.9-1.1	1.0
		Ala: 0.9-1.1	0.9
		Asp: 0.9-1.1	1.1
		Ser: 1.8-2.2	2.1
6	Peptide Purity (By HPLC)	≥98.0%	99.50%
7	Related Substance (By HPLC)	Total Impurities(%)≤2.0%	0.50%
		Largest Single Impurity(%)≤1.0%	0.40%
8	Organic Solvent Residue	Acetonitrile≤0.041%	<0.041%
		Dichloromethane≤0.060%	<0.060%
		N,N-Dimethylformamide≤0.088%	<0.088%
9	Condition of Storage	2~8℃	
Conclusion	The product conforms with enterprise standard and qualified		

Inspector：Liu Jianshe Checker: Pang Jinlong Date: 2020.7.5

Olivia Wang