Certificate of Analysis

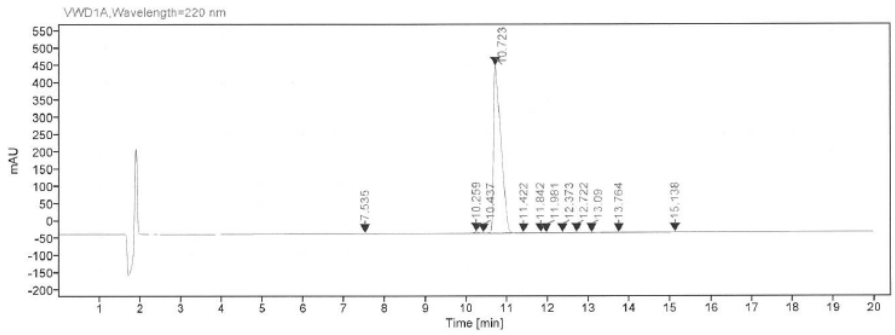
Product	**ARA290**	**CAS No.**	1208243-50-8
Product No.	LJARA-001	**Batch No.**	LJARA2026083001
Date of Mfg	2026/08/30	**Retest Date**	2028/08/29
Test Method	In-house	**Quantity**	5.65kg
Storage Conditions	Protected from light, sealed, store at -20℃±5℃		

Test	**Acceptance Criteria**	**Results**
Appearance	White or off-white Powder	White Powder
Solubility	Soluble in water(36mg/mL)	Conforms
Purity	≥98.0%	99.1%
Identification By MS	1256.60±1.0	Conforms
Trifluoroacetic acid	≤0.5%	ND
Related Substances	Max Single Impurity：≤0.5%	0.32%
	Total Impurities：≤2.0%	0.9%
Water content	≤8.0%	2.5%
Acetate acid	≤12.0%	ND
Peptide Content	≥85.0%	96.7%
Residual Solvents	Methanol≤0.3%	ND
	MeCN≤0.041%	0.006%
	DCM≤0.06%	ND
	MTBE≤0.5%	ND
Elemental Impurities	As：≤1.5ppm	ND

	Cd：≤0.2ppm	ND
	Hg：≤0.3ppm	ND
	Pb：≤1.5ppm	ND
Microbial Limit	TAMC≤ 100cfu/g	Conforms
	TYMC ≤ 100cfu/g	Conforms
Bacterial Endotoxin	≤10EU/mg	Conforms
Conclusion	☑Meet the requirements ☐Do not meet the requirements	
Remark	**It is only supplied as chemical product.** **It is only for R&D use.**	

Reporter/Date: 张洁 **2026/09/02** **Approver/Date:** [illegible] **2026/09/02**

HPLC：



Signal: VWD1A,Wavelength=220 nm

RT [min]	Type	Width [min]	Height	Area	Area%
7.535	BV	0.23	0.22	1.26	0.02
10.259	BV	0.31	2.95	19.82	0.32
10.437	VV	0.16	0.48	2.83	0.05
10.723	VV	0.79	482.95	6121.37	99.10
11.422	VV	0.36	0.32	4.97	0.08
11.842	VV	0.26	0.45	3.96	0.06
11.981	VV	0.16	0.18	1.19	0.02
12.373	VV	0.39	0.42	4.02	0.07
12.722	VV	0.36	0.81	7.01	0.11
13.090	VV	0.44	0.72	7.66	0.12
13.764	VV	0.24	0.19	1.09	0.02
15.138	BV	0.29	0.24	1.64	0.03