Certificate of Analysis

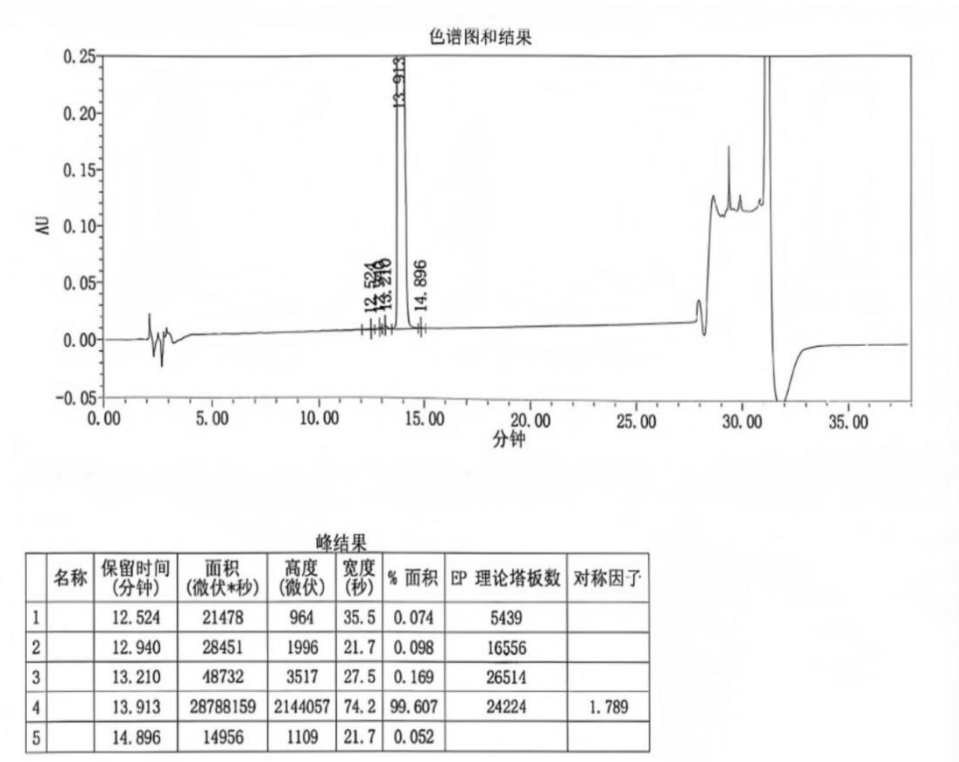
Product	**MOTs-C**	**CAS No.**	1627580-64-6
Product No.	LJMO-001	**Batch No.**	LJMO2026090301
Date of Mfg	2026/09/03	**Retest Date**	2028/09/02
Test Method	In-house	**Quantity**	1.35kg
Storage Conditions	Protected from light, sealed, store at -20℃±5℃		

Test	**Acceptance Criteria**	**Results**
Appearance	White or off-white Powder	White Powder
Purity	≥98.0%	99.6%
Identification By MS	2174.62±1.0	Conforms
Trifluoroacetic acid	≤0.5%	ND
Related Substances	Max Single Impurity：≤0.5%	0.17%
	Total Impurities：≤2.0%	0.39%
Water content	≤8.0%	1.7%
Acetic Acid	≤15.0%	10.1%
Peptide Content	≥80.0%	87.8%
Residual Solvents	Methanol≤0.3%	0.01%
	MeCN≤0.041%	0.013%
	DMF≤0.06%	ND
Elemental Impurities	As：≤1.5ppm	ND
	Cd：≤0.2ppm	ND
	Hg：≤0.3ppm	ND
	Pb：≤1.5ppm	＜0.05ppm

Microbial Limit	Total aerobic bacteria ≤ 100cfu/g	Conforms
	Mould & Yeast ≤ 100cfu/g	Conforms
Bacterial Endotoxin	≤10EU/mg	Conforms
Solubility	Freely soluble in water	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 2026/09/09 **Approver/Date:** 刘辉 2026/09/09

HPLC:



峰结果

	名称	保留时间 (分钟)	面积 (微伏*秒)	高度 (微伏)	宽度 (秒)	% 面积	EP 理论塔板数	对称因子
1		12.524	21478	964	35.5	0.074	5439	
2		12.940	28451	1996	21.7	0.098	16556	
3		13.210	48732	3517	27.5	0.169	26514	
4		13.913	28788159	2144057	74.2	99.607	24224	1.789
5		14.896	14956	1109	21.7	0.052		