

Certificate of Analysis

Product	MOTs-C	CAS No.	1627580-64-6
Product No.	LJMO-001	Batch No.	LJMO2026061301
Date of Mfg	2026/06/13	Retest Date	2028/06/12
Test Method	In-house	Quantity	1.35kg
Storage Conditions	Protected from light, sealed, store at $-20^{\circ}\text{C} \pm 5^{\circ}\text{C}$		

Test	Acceptance Criteria	Results
Appearance	White or off-white Powder	White Powder
Purity	$\geq 98.0\%$	99.6%
Identification By MS	2174.62 ± 1.0	Conforms
Trifluoroacetic acid	$\leq 0.5\%$	ND
Related Substances	Max Single Impurity: $\leq 0.5\%$	0.57%
	Total Impurities: $\leq 2.0\%$	0.84%
Water content	$\leq 8.0\%$	1.7%
Acetate ion	$\leq 15.0\%$	10.1%
Peptide Content	$\geq 80.0\%$	87.8%
Residual Solvents	Methanol $\leq 0.3\%$	0.01%
	MeCN $\leq 0.041\%$	0.013%
	DMF $\leq 0.06\%$	ND
Microbial Limit	Total aerobic bacteria $\leq 100\text{cfu/g}$	Conforms
	Mould & Yeast $\leq 100\text{cfu/g}$	Conforms
Bacterial Endotoxin	$\leq 10\text{EU/mg}$	Conforms
Solubility	Freely soluble in water	Conforms

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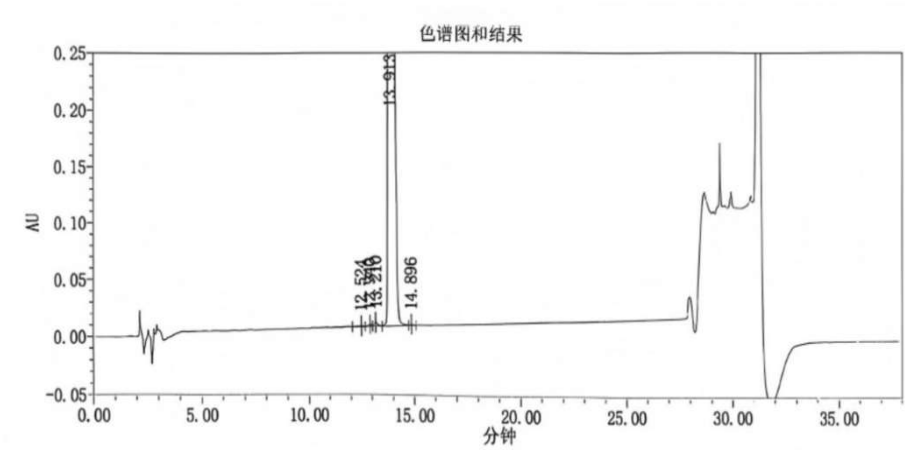
Conclusion	☒ Meet the requirements ☐ Do not meet the requirements
Remark	It is only supplied as chemical product. It is only for R&D use.

Reporter/Date: 张洁 2026/06/15

Approver/Date: 刘辉 2026/06/15



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		

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