分析证书 Certificate of Analysis

No. SLK1006E-08A1

产品名称 Product Name	**Selank 10 mg**	生产日期 Manufacturing	**2026/08/18**
分子式 Molecular Formula	**C33H57N11O9**	报告日期 Report Date	**2026/08/25**
分子量 Molecular Weight	**751.9**	复验日期 Re-test Date	**2028/08/17**
CAS编号 CAS No.	**129954-34-3**	包装规格 Packing size	**10 mg / vial**
参考标准 Reference Standard	**Selank Reference Std.**	储存条件 Storage conditions	**-20°C to -8°C**
批号 Batch No.	**CP012607071210L**	规格 Strength	**10 mg**
序列 Sequence	**Thr-Lys-Pro-Arg-Pro-Gly-Pro (TKPRPGP)**		

检验项目 Tests		质量标准 Specifications	检验结果 Results
外观	Appearance	White lyophilized powder	**Conforms**
鉴别	Identity (LC-MS)	Consistent with selank	**Confirmed**
含量	Net Content	Labeled 10 mg / vial	**13.98 mg**
纯度(HPLC)	Purity (HPLC-UV)	>= 98.0%	**99.95%**
有关物质	Related impurities	Total impurities <= 2.0%	**0.05%**
主峰保留时间	Main Peak RT	Consistent with reference	**2.570 min**
内毒素	Endotoxin (LAL, USP <85>)	Spec <= 0.50 EU/mL	**<0.05 EU/mL Pass**
生物负载	Bioburden (USP <61>)	TAMC <=100; TYMC <=10 CFU/vial	**TAMC <10; TYMC <10**
元素杂质	Elemental (ICP-MS)	As, Cd, Pb, Hg (ICP-MS)	**Pass**
残留溶剂	Residual solvents (GC-HS)	ACN, MeOH, DCM, DMF	**Conforms**

仅供研究使用。
For research use only.

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分析员 Analyst:

质量负责人 QC Director:

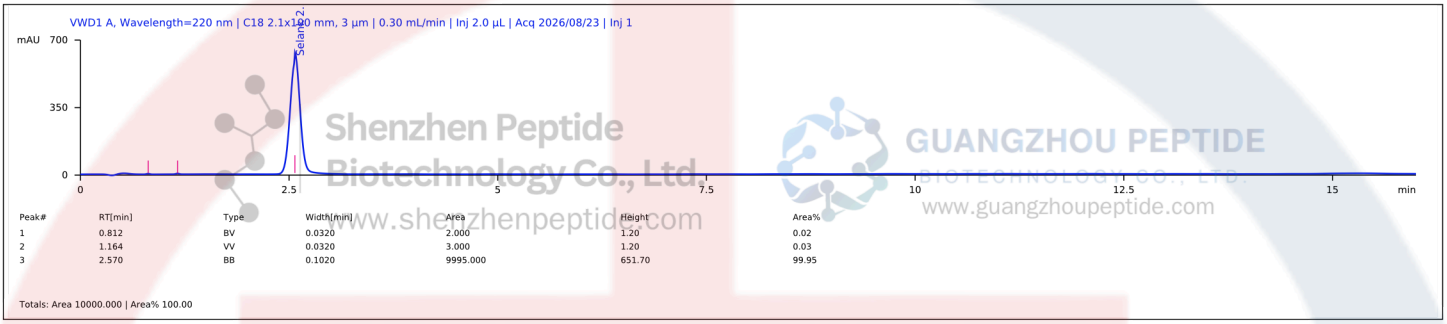
复核员 Checker:

Limit To Research And Submission Use
Not For Direct Human Application

附录色谱图与质谱 Appendix Chromatogram & Mass Spectrum

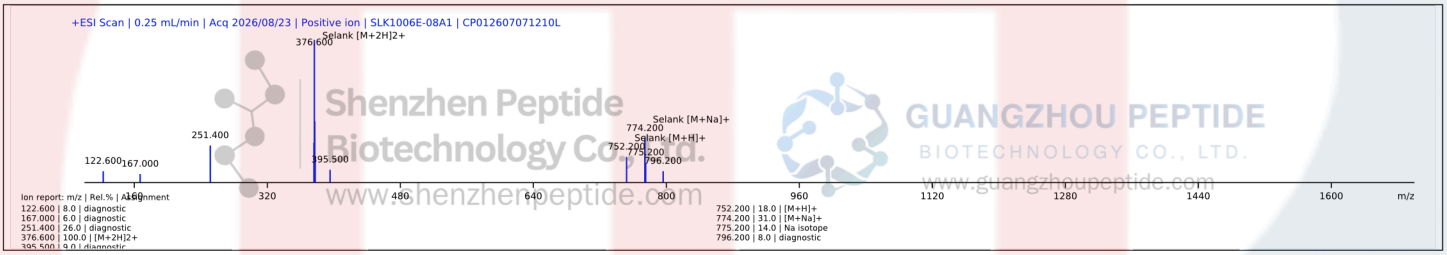
1. HPLC色谱图 / HPLC-UV Chromatogram

Detector: VWD1 A, 220 nm | Main peak RT 2.570 min | Area% 99.95 | Identity Selank



2. 质谱确认 / Mass Confirmation (LC-MS)

376.600 [M+2H]2+ | 752.200 [M+H]+ | 774.200 [M+Na]+ | Selank envelope



3. 3瓶数据/ 3-vial data

Vial	Purity (HPLC-UV)	Net content
1	99.95%	13.98 mg
2	99.96%	14.27 mg
3	99.93%	13.69 mg
4	n.t.	n.t.
Mean (reported)	**99.95%; RSD 0.02%**	**13.98 mg; RSD 2.07%**

4. 方法与结论 / Method & Conclusion

检测方法	Method	HPLC-UV 0.30 mL/min; LC-MS +ESI 0.25 mL/min
检测波长	Detection	C18 2.1x100 mm, 3 µm; VWD 220 nm; Inj 2 µL; H2O/ACN +0.1% FA
主峰保留时间	Main Peak RT	2.570 min (representative injection)
特征离子	Diagnostic ions	376.600 [M+2H]2+; 752.200 [M+H]+; 774.200 [M+Na]+
纯度结论	Purity Conclusion	Mean 99.95%; rep. area 99.95%; impurities 0.05%
含量结论	Assay Conclusion	Mean 13.98 mg (139.8% label); RSD 2.07%
鉴别结论	Identity Conclusion	LC-MS consistent with selank
内毒素	Endotoxin	Rep 1 <0.05; Rep 2 <0.05 EU/mL; sens 0.05; Pass
生物负载	Bioburden (USP <61>)	TAMC <10; TYMC <10 CFU/vial; Pass
元素杂质 / 残留溶剂	Elemental / Residuals	ICP-MS: As .012 Cd<.005 Pb .016 Hg<.005 µg/g; GC-HS: ACN31 MeOH44 DCM<10 DMF17 ppm

No. SLK1006E-08A1 | Lot CP012607071210L | Mfg 2026/08/18 | Test 2026/08/23 | Report 2026/08/25 | Re-test 2028/08/17 | 10 mg/vial.
Net content 13.98 mg (139.8% label); RSD 2.07% (13.98 / 14.27 / 13.69 mg).
HPLC mean 99.95% (99.95 / 99.96 / 99.93%); rep. RT 2.570 min; area 99.95%; impurities 0.05%.
本报告仅对所检批次有效。