TEST REPORT

E-mail: lin@peptideformulationlab.com
Web： peptideformulationlab.com

Task Number #174052

Testing ordered > 03 Jun '26

Sample received > 08 Jun '26

Client	ShiLai™ Peptide Technologies
Sample	KLOW (80 mg)
Manufacturer	ShiLai™ Peptide Technologies
Batch	AR1636RT2

Sample description >

See picture or pictures attached.

Tests requested >

Assessment of a peptide cartridges.

Results >

KLOW	80.94mg
Assay (HPLC)	99.81%
Identity (MS)	Confirmed
Purity	99.81%
Related Impurities	≤0.8%
pH	5.8 ± 0.2
Endotoxin	<0.5 EU/mg
Sterility	Pass

Analysis conducted > 10 Sep 2026

Signature >

Go to the website peptideformulationlab.com and contact the relevant person in charge to verify this test document.

29LZ471305EQ8

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The photo of sample：



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KLOW Injection Pen (illustrative laboratory data) - Stability by HPLC (80mg)

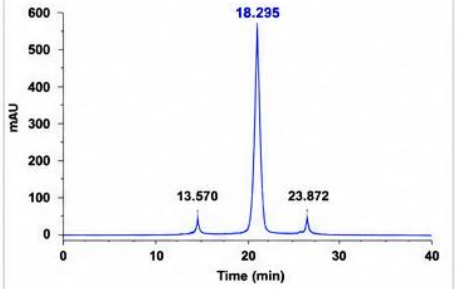
Product Name	:	KLOW Injection Pen (illustrative laboratory data) - (80mg)	**Sample Conc.**	:	26.666mg/mL
Batch No.	:	AR1636RT2	**System**	:	Agilent 1260 Infinity II
Strength	:	80 mg / Pen	**Software**	:	OpenLAB CDS
Diluent	:	Bacteriostatic Water for Injection	**Run Time**	:	40 min
Column	:	Waters Xbridge BEH C18, 4.6 × 150 mm, 3.5 µm	**Wavelength**	:	260 nm
Mobile Phase	:	A: 0.1% TFA in Water	**Data Rate**	:	10 Hz
		B: 0.1% TFA in Acetonitrile	**Study Condition**	:	Reconstituted and stored at 2–8 °C
Gradient	:	5% B to 60% B in 30 min	**Evaluation**	:	Area Normalization
Flow Rate	:	1.0 mL/min	**Report Date**	:	2026-09-10
Column Temp	:	30 °C			
Detection	:	UV 260 nm			
Injection Vol.	:	10 µL			

SUMMARY OF RESULTS (2–8 °C)

Time Point	Assay (%)	Purity (%)	Total Impurities (%)	pH
Day 0 (Initial)	100.0	99.81	0.19	7.08
Day 30	99.5	99.66	0.34	7.04
Day 60	99.1	99.48	0.52	7.02
Day 90	98.5	99.28	0.72	6.98

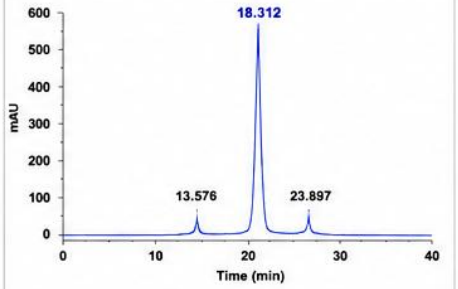
HPLC CHROMATOGRAMS (UV 260 nm)

Day 0 (Initial)



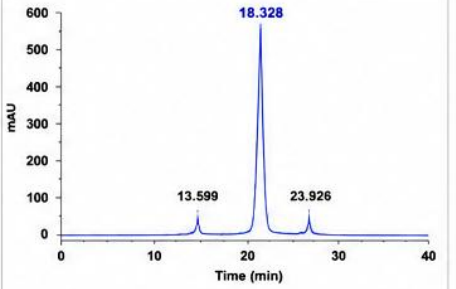
Peak No.	Retention Time (min)	Peak Name	Area (mAU*s)	Area (%)
1	13.570	Impurity 1	2,561	0.13
2	18.295	KLOW	20,226,743	99.81
3	23.872	Impurity 2	2,444	0.12
Total			20,231,748	100.00

Day 30



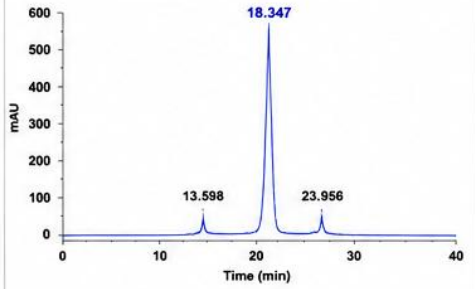
Peak No.	Retention Time (min)	Peak Name	Area (mAU*s)	Area (%)
1	13.575	Impurity 1	4,000	0.16
2	18.312	KLOW	24,763,873	99.66
3	23.897	Impurity 2	2,664	0.12
Total			24,770,737	100.00

Day 60



Peak No.	Retention Time (min)	Peak Name	Area (mAU*s)	Area (%)
1	13.599	Impurity 1	5,873	0.23
2	18.328	KLOW	24,909,632	99.48
3	23.926	Impurity 2	3,174	0.13
Total			24,918,679	100.00

Day 90

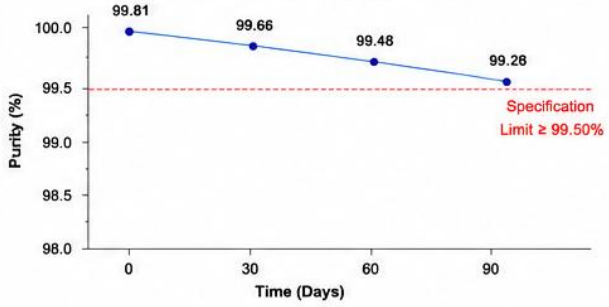


Peak No.	Retention Time (min)	Peak Name	Area (mAU*s)	Area (%)
1	13.598	Impurity 1	8,146	0.29
2	18.347	KLOW	24,791,125	99.28
3	23.966	Impurity 2	3,755	0.15
Total			24,802,026	100.00

STABILITY DATA (2–8 °C)

Time Point	Assay (%)	Purity (%)	Total Impurities (%)	pH	Appearance
Day 0 (Initial)	100.0	99.81	0.19	7.08	Clear, Colorless
Day 30	99.5	99.66	0.34	7.04	Clear, Colorless
Day 60	99.1	99.48	0.52	7.02	Clear, Colorless
Day 90	98.5	99.28	0.72	6.98	Clear, Colorless

Purity Trend Over 90 Days (2–8 °C)



SYSTEM SUITABILITY (Day 0)

Parameter	Result	Acceptance Criteria
Retention Time (KLOW)	18.295 min	N/A
Theoretical Plates (N)	20,245	≥ 10,000
Tailing Factor (T)	1.04	≤ 2.0
Resolution (Rs, Imp1)	5.15	≥ 1.5
Resolution (Rs, Imp2)	5.71	≥ 1.5

CONCLUSION

Under refrigerated conditions (2–8 °C), the reconstituted KLOW Injection Pen (80 mg) maintained excellent chemical stability for 90 days. Purity remained above 99.28%, with minimal increase in total impurities and no significant change in pH or appearance.