

TEST REPORT

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Contact at: Admin@brown-biology.com

Task Number > #2519272

Received Date > 08/19/2025

COA Key > 2519272

Reported Date > 09/10/2025

Client ALURA

Manufacturer leewaygo.com

Sample LL-375 mg

Batch 25192

Sample description >

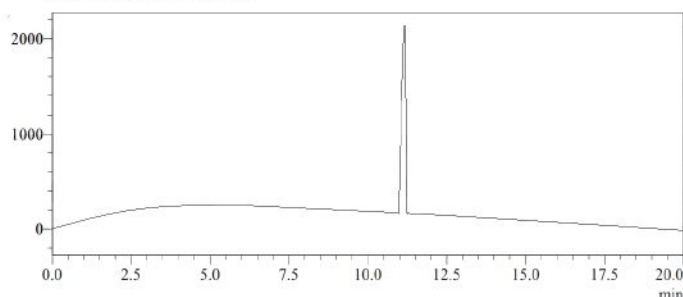
See picture or pictures attached.

Tests requested >

Assessment of a peptide vial or vials.



CHROMATOGRAM



Peak #	Ret. Time	Area %
1	11.292	99.510

TEST RESULTS

	Specifications	Results
Strength	5.00 mg	5.21 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.5%
pH value	6.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.3%
	Total Impurity ≤2.0%	0.5%

TEST PARAMETERS

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	220nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	30uL

CONCLUSION

One 3ml vial contained a white lyophilized powder and has an orange cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.5% LL-37 (5.21 mg), and the rest are impurities of minor significance.

Research and Formulation Chemist

This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.