Certificate Of Analysis

LIQUILABS
Analytical services

Client:

EUROLAB Peptides
Dicky DeSchuyter
Heirwegdreef
Stekene 9190
Belgium
dickydeschuyter@hotmail.be

Laboratory:

Liquilabs s.r.o.
Ohradní 24B
14000 Michle
Czechia
www.liquilabs.cz

Sample Identification

Sample Name	Ace-031 1 mg	**Batch Number**	ACE-0031/100-01	**Date Published**	2026-02-16 17:14

Results for Lyo-0291

Analysis of Peptide Identity, Content and Purity	Result	Unit	Uncertainty	Reporting Limit
ACE-031 Assay Peptide Screening	0.992	*mg*	[± 0.005]	
ACE-031 Identification by RT Peptide Screening	0.993		[± 0.005]	
ACE-031 Identification by spectrum Peptide Screening	989		[± 20]	
ACE-031 Purity Peptide Screening	99.8	*%*	[± 0.5]	

Attachments for Lyo-0291

LIQUILABS Analytical services	Method Specification	
Determination of identity, content and purity of ACE-031		
Document number ACE_001_2026	*Superseded document* -	*Number of pages* 3

1. Content Assesment

1.1. Instrumentation

Module	Name	Serial Number
System Controller	Shimadzu SCL-10ADvp	C21014112659
Degassing Unit	Shimadzu DGU-14A	NA
Pump A	Shimadzu LC-10ADvp	C20964130075
Pump B	Shimadzu LC-10ADvp	C20953770781
Autosampler	Shimadzu SIL-10ADvp	C21054109114
Colum Thermostat	Shimadzu CTO-10ACvp	C21033770144
Detector	Shimadzu SPD-10ADvp	C20994233588

1.2. Chromatographic conditions

Chromatographic conditions	
Eluent A	0.1% TFA in Water (HPLC, Gradient Grade)
Eluent B	0.1% TFA in Acetonitrile (HPLC, Gradient Grade)
Flow rate	0.4 mL/min
Program	Gradient elution
Injection volume	0.5 µL
Colum Temperature	60°C
Column	Phenomenex Biozen Peptide Polar C18, 150x2.1mm 3µm
Detection wavelength	280nm

Gradient Program		
Time [min]	A [%]	B [%]
3	95	5
25.5	5	95
26	5	95
28	95	5
35	end	

1

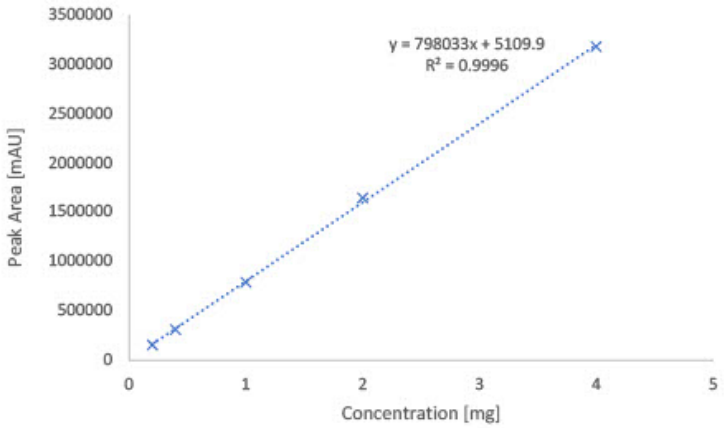
Attachment for Lyo-0291
Filename: 1771260826303-ed7cba00-f7bd-4cde-96f0-c0e724b81988_1.jpg

1.3. Sample preparation

Whole amount of container was dissolved in 2mL of water (HPLC, Gradient Grade). Aliquote part of 1 mL was dispensed into HPLC vial for analysis.

1.4. Calibration curve

Calibration curve detail	
Quantitative method	External Standard
Calibration Type	Linear
Number of calibration points	5
Force through Zero	Disabled
Weighting Method	None



Attachment for Lyo-0291
Filename: 1771260826303-ed7cba00-f7bd-4cde-96f0-c0e724b81988_2.jpg

2. Purity assessment

2.1 Instrumentation

Module	Name	Serial Number
System Controller	Shimadzu SCL-10ADvp	C21014112659
Degassing Unit	Shimadzu DGU-14A	NA
Pump A	Shimadzu LC-10ADvp	C20964130075
Pump B	Shimadzu LC-10ADvp	C20953770781
Autosampler	Shimadzu SIL-10ADvp	C21054109114
Colum Thermostat	Shimadzu CTO-10ACvp	C21033770144
Detector	Shimadzu SPD-10ADvp	C20994233588

2.2 Chromatographic conditions

Chromatographic conditions	
Eluent A	0.1% TFA in Water (HPLC, Gradient Grade)
Eluent B	0.1% TFA in Acetonitrile (HPLC, Gradient Grade)
Flow rate	0.4 mL/min
Program	Gradient elution
Injection volume	0.5 µL
Colum Temperature	60°C
Column	Phenomenex Biozen Peptide Polar C18, 150x2.1mm 3µm
Detection wavelength	214nm

Gradient Program		
Time [min]	A [%]	B [%]
3	95	5
25.5	5	95
26	5	95
28	95	5
35	end	

1.5. Sample preparation

Whole amount of container was dissolved in 2mL of water (HPLC, Gradient Grade). Aliquote part of 1 mL was dispensed into HPLC vial for analysis.

1.6. Purity assesment

Purity of compound assesed by area normalization method, comparing area of each peak to sum of area of all peaks detected at wavelenght of 214 nm.

3

Attachment for Lyo-0291
Filename: 1771260826303-ed7cba00-f7bd-4cde-96f0-c0e724b81988_3.jpg

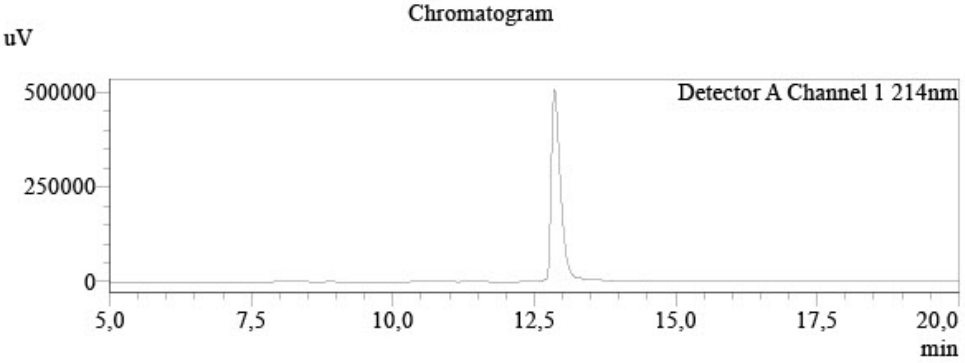
Analysis Report

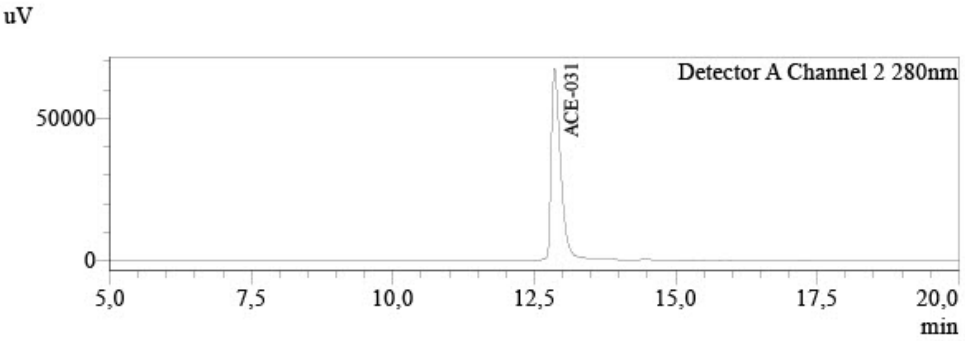
LIQUILABS Analytical services

Sample Information

Injection Volume	: 5
Data File	: LYO-0291__009.lcd
Method File	: Peptide screening_Group N.lcm
Date Acquired	: 14.02.2026 1:41:54

Chromatogram





Peak Table

Detector A Channel 1 214nm

Peak#	Name	Ret. Time	Conc.	Unit	Area%
1		12,860	0,000		99,758
2		14,438	0,000		0,242
Total					100,000

Peak Table

Detector A Channel 2 280nm

Peak#	Name	Ret. Time	Conc.	Unit
1	ACE-031	12,861	0,992	mg
Total				

Attachment for Lyo-0291
Filename: LYO-0291.jpg

Responsibles



Mr. Ján Galbavý
Founder/Manager

Analysis results relate only to the samples tested.
This document shall not be reproduced except in full, without the written approval of Liquilabs s.r.o.