Certificate of Analysis

LIQUILABS
Analytical services

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Verify Results Online

Sample Identification

Sample Name	Bacteriostatic Water 10 ml
Batch Number	2026324
Date Published	2026-05-19 12:36

Results for LIQ-0030

Stabilizers	Result	Unit	Uncertainty	Acceptable Range
Benzyl Alcohol Content Benzyl alcohol	0.96	%	[± 0.02]	0.9 - 1.1

Peptides	Result	Unit	Uncertainty	Acceptable Range
pH Determination pH determination	6.8		[± 0.1]	4.45 - 7

Microbiology	Result	Unit	Uncertainty	Acceptable Range
Bacterial Endotoxin Chromgenic USP<85>/ Eur. Ph. 2.6.14. Bacterial Endotoxin Chromgenic Test	0.008	*EU/g*	[± 0]	<= 0.25

Analysis Report

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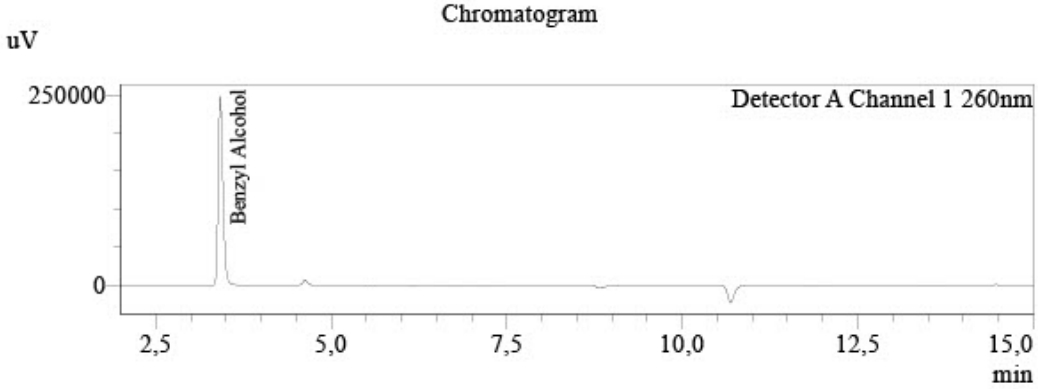
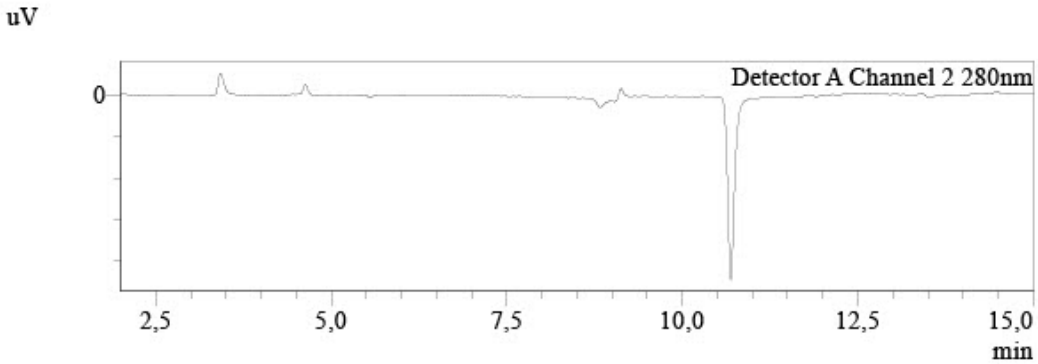
Sample Information

Injection Volume	: 1
Data File	: LIQ-0030__002.lcd
Method File	: Benzylalcohol v2.0.lcm
Date Acquired	: 18.05.2026 13:05:05

Chromatogram





Peak Table

Detector A Channel 1 260nm

Peak#	Name	Ret. Time	Conc.	Unit	Area%
1	Benzyl Alcohol	3,417	0,960	% (m/m)	97,348
2		4,625	0,000		2,652
Total					100,000

Peak Table

Detector A Channel 2 280nm

Peak#	Name	Ret. Time	Conc.	Unit
Total				

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1. Chromgenic LAL Assay Determination of Bacterial Endotoxin content of sample

1.1. Instrumentation

- Pipette set 1-1000 µL
- Termostatically controlled water bath
- UV VIS spectrometer (Shimadzu UV-1601)
- GenScript ToxinSensor Chromgenic LAL Endotoxin Assay kit

1.2. Chemicals

- LAL Reagent water (endotoxin free)
- Limulus Amoebocyte Lysate
- LAL Substrate
- Color Stabilizer #1
- Color Stabilizer #2
- Color Stabilizer #3
- 35% HCl (p.a.)

1.3. Sample preparation

1. Sample container was weighed prior to dissolution and measured weight was marked.
2. Sample was completely dissolved in its container by 2 mL of LAL Reagent water.
3. 100 µL of the sample was aliquoted for analysis.
4. After analysis container was emptied and dried.
5. Dry mass of container was measured and exact weight of dissolved content was determined as:

$$m_{dc} = m_{sample} - m_{container}$$

1.4. Toxin sensor Chromgenic LAL Endotoxin Assay kit preparation

Procedures regarding preparation of reaction solutions possible to find in:
https://www.genscript.com/site2/document/5292_20080806231827.PDF

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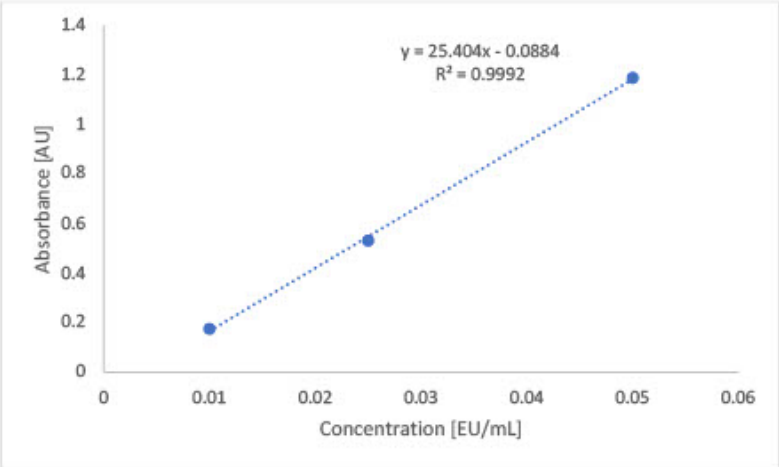
1.5. Measurement procedure

	Standards	Samples	Blank
Standards (mL)	0.1	-	-
Samples (mL)	-	0.1	-
LAL Reagent Water (mL)	-	-	0.1
LAL Solution (mL)	0.1	0.1	0.1
Mix well and incubate at 37°C for 27 min			
Substrate solution (mL)	0.1	0.1	0.1
Mix well and incubate at 37°C for 6 min			
Color Stabilizer #1 solution	0.5	0.5	0.5
Color Stabilizer #2 solution	0.5	0.5	0.5
Color Stabilizer #3 solution	0.5	0.5	0.5
Mix well and read the absorbance at 545nm			

1.6. Calibration curve



1.7. Calculation of endotoxin content

Endotoxin content of the sample was calculated from the calibration curve as:

$$Endotox\left[{}^{EU}/_{mg}\right] = \frac{\left(\frac{ABS_{sample}}{S_{calib}}\right) * 20}{m_{sample}}$$

ABS_{sample} = *Measured absorbance of sample*
S_{calib} = *Slope of calibration curve*
m_{sample} = *real measured mass of sample*
20 = *dilution factor of measured sample*

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Responsibles

Mr. Ján Galbavý
CEO

Analysis results relate only to the samples tested.
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