Confidential and Privileged

Peptide Content Report

Sample Name:MOTS-c 20mg

Sample ID:SYNX 28
Date Processed(MM/DD/YYYY):05/30/2026
Instrument: Thermo Fisher Flash Smart Elemental Analyzer

Result of detecting

Times	N/%
Avg.	6.84

Calculation Method:

The net peptide content/%=N/%*MW(peptide)/(n*MW(nitrogen))

N/%:Nitrogen content determined by elemental analysis;
MW(peptide): Theoretical Molecular Weight;
n: The number of nitrogen element;
MW (nitrogen): atomic weight(nitrogen);

Result of analyzing

Times	N/%	The net peptide content/ %
Avg.	6.84	(6.84*2174.6)/(28*14)=37.94
Avg.	The net peptide content/ %=37.94	

Gross Weight:74mg
Net Weight:74*37.94=28.1mg

SYNX 28

The Qualitative Detection of Endotoxin

Sample Name : MOTS-c 20mg

Sample ID: SYNX 28

Da te Processed{MM/ DD/YYYY) :05/31/2026

{Sample ID final concentration 1 mg/ml)

LAL sensitivity: 0.08EU/ml

Sample Endotoxin level:

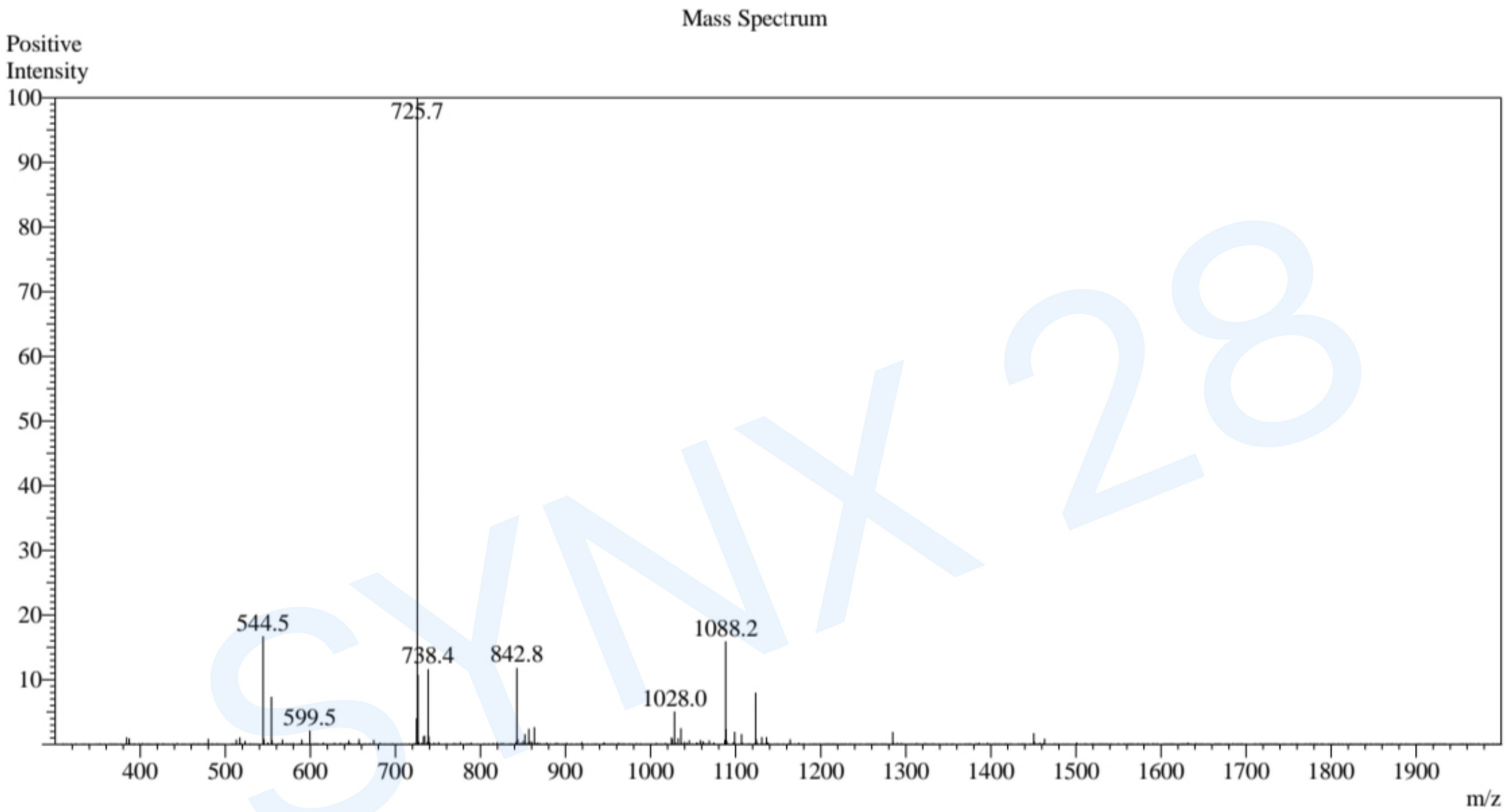
1. The endotoxin level in sample was detected using Horseshoe Crab Rea gent, the phenomenon is listed as followed:

Table 1:

Inspection tube	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml Detection solution	Parallel	
		1	2
Sample	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml Sample solution	-	-
Sample positive control	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml 2 λSample positive solution	+	+
Positive control	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml positive solution	+	+
Negative control	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml LAL Reagent Water	-	-

Note: The test result is positive which expressed by"+", and negative is expressed by"—".
2. Result:
The endotoxin level in sample is: <0.08EU/mg

SYNX 28



Sample Information

Month-Day Processed :	05/28/26
Time Processed :	22:23:10
Injection Volume :	0.4
Sample Name :	MOTS-c 20mg
Sample ID :	SYN28
Theoretical MW :	2174.6
Observed MW :	2174.1

Interface	:ESI
Nebulizing Gas Flow	:1.5L/min
CDL Temp	:250
Block Temp	:200

Equipment	: ZJ17010408
Interface Bias	: +4.5 kV
Drying Gas Flow	:5 L/min
T.Flow	:0.2 ml/min
B.conc	:50%H2O/50%MeOH

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