

Sample Name: RT20
Time Processed: 21:06:23
Month-Day-Year Processed :05/21/2026

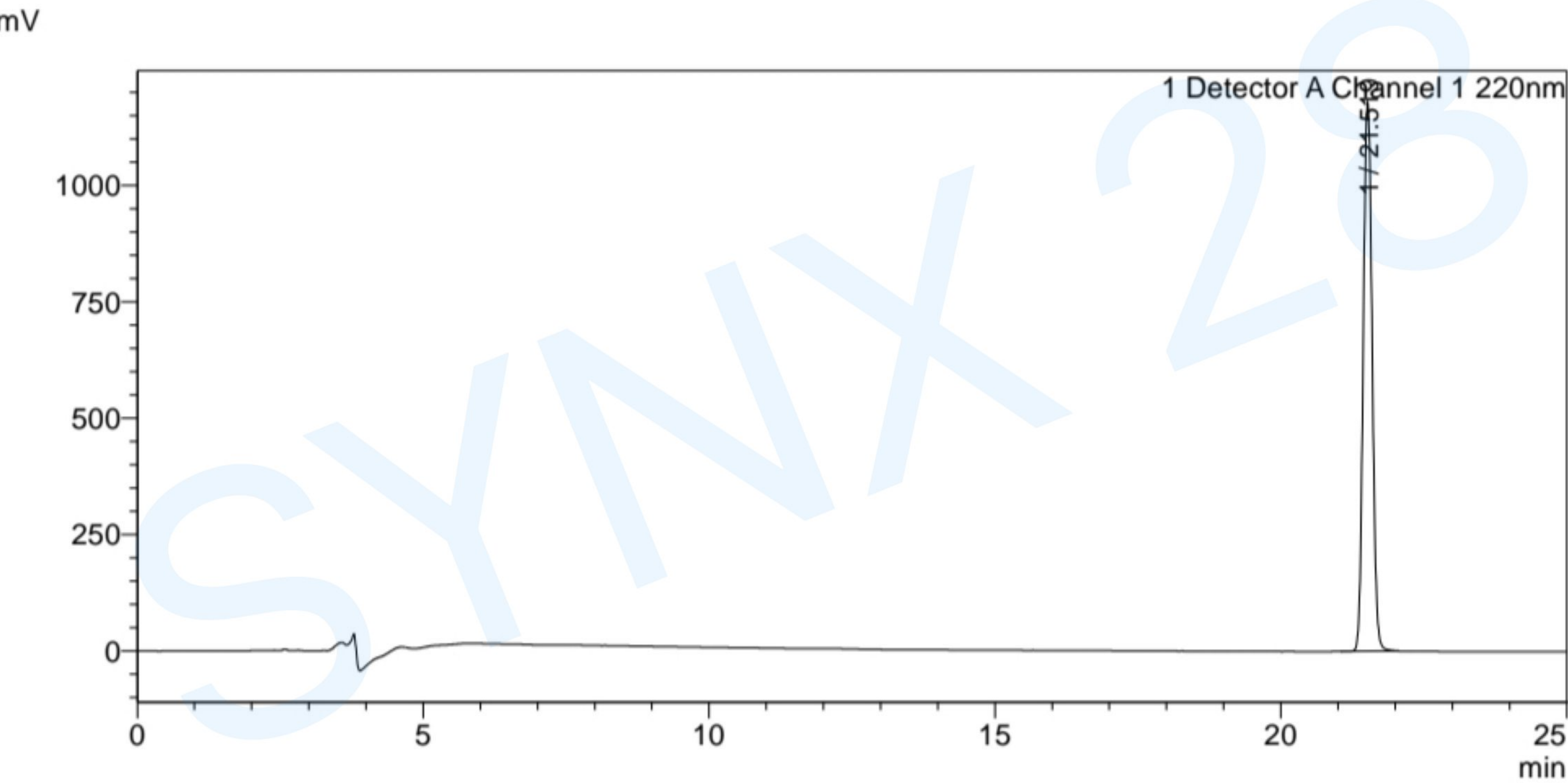
Pump A : 0.065% trifluoroacetic in 100% water (v/v)
Pump B : 0.05% trifluoroacetic in 100% acetonitrile (v/v)
Total Flow:1 ml/min
Wavelength:220 nm

<<LC Time Program>>

Time	Module	Command	Value
0.01	Pumps	B.Conc	5
25.00	Pumps	B.Conc	65
25.01	Pumps	B.Conc	95
27.00	Pumps	B.Conc	95
27.01	Pumps	B.Conc	5
35.00	Pumps	B.Conc	5
35.01	Controller	Stop	

<<Column Performance>>
<Detector A>
Column : Inertsil ODS-SP 4.6 x 250 mm
Equipment:ZJ19010014

<Chromatogram>



<Peak Table>

Detector A Channel 1 220nm

Peak#	Ret. Time	Area	Height	Area%
1	21.519	12801891	1179202	100.000
Total		12801891	1179202	100.000

Peptide Content Report

Sample Name:RT20

Sample ID:
Date Processed(MM/DD/YYYY):05/22/2026
Instrument: Thermo Fisher Flash Smart Elemental Analyzer

Result of detecting

Times	N/%
Avg.	3.27

Calculation Method:

$$\text{The net peptide content/\%} = \text{N/\%} * \text{MW(peptide)} / (\text{n} * \text{MW(nitrogen)})$$

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.	3.27	$(3.27 * 4731.25) / (46 * 14) = 24.02$
Avg.	The net peptide content/ %=24.02	

Gross Weight:85.6mg
Net Weight:79*24.02=20.56mg

The Qualitative Detection of Endotoxin

Sample Name : RT20

Sample ID:

Date Processed{MM/ DD/YYYY) :05/22/2026

(Sample ID final concentration 1 mg/ml)

LAL sensitivity: 0.02 EU/ml

Sample Endotoxin level:

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

Table 1:

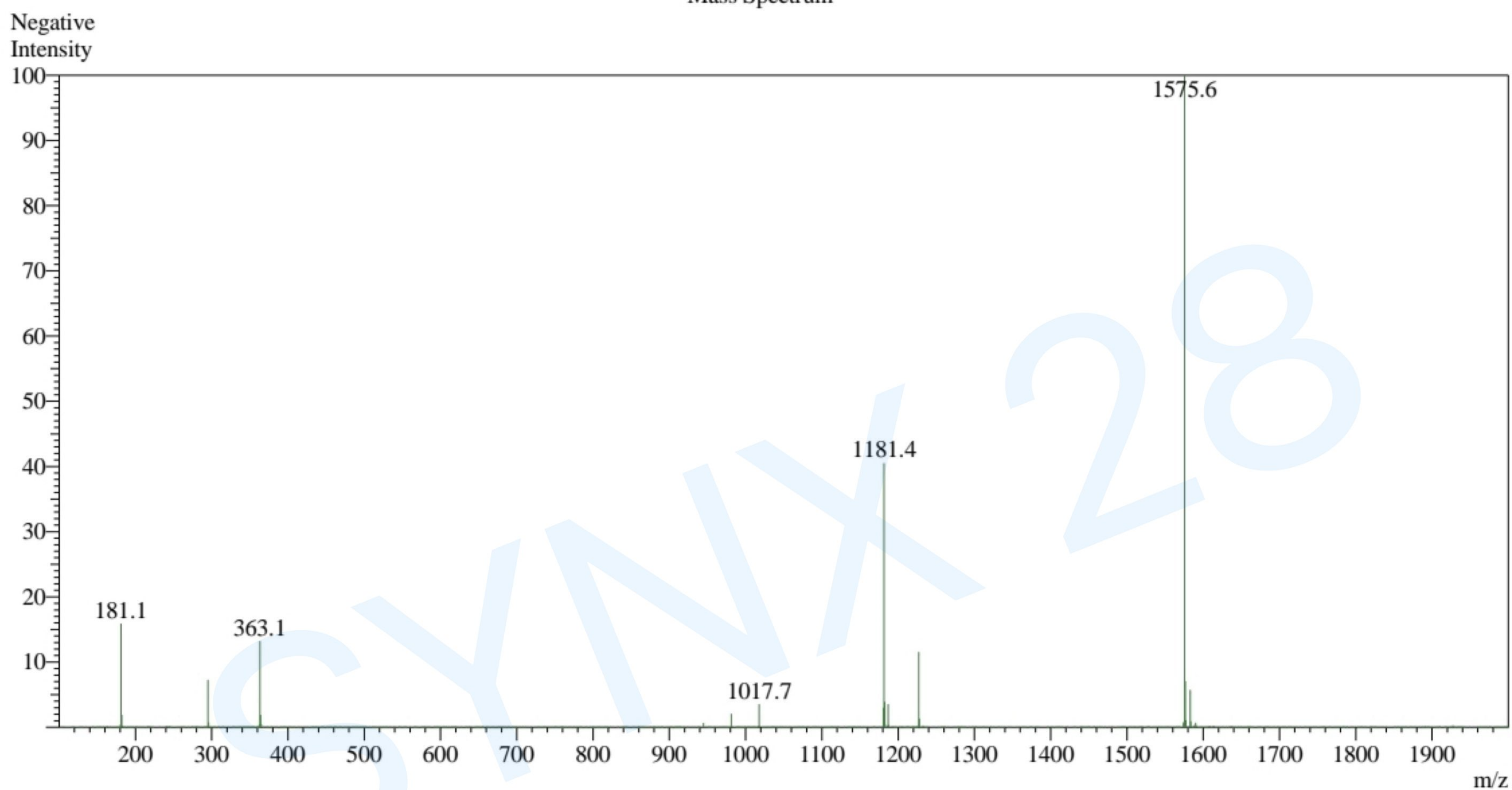
Inspection tube	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml Detection solution	Parallel	
		1	2
Sample	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml Sample solution	-	-
Sample positive control	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml 2 λSample positive solution	+	+
Positive control	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml 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: <0.02EU/mg

Mass Spectrum



Sample Information

Month-Day Processed : 05/22/26
Time Processed : 16:43:39
Injection Volume : 0.8
Sample Name : RT20
Theoretical MW : 4731.25
Observed MW : 4729.8

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

Equipment : ZJ17010408
Interface Bias : -3.5 kV
Drying Gas Flow :5 L/min
T.Flow :0.2 ml/min
B.conc :50%H2O/50%MeOH