



佛山宝诺生物科技有限公司

Foshan Bono Biotechnology Co., Ltd.

Certificate of Analysis

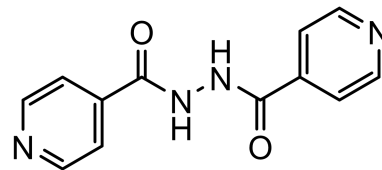
中文名称(Chinese Name): 异烟肼杂质 1

英文名称(English Name): Isonicotinamide Impurity 1

货号(Cat Number): BNY33-01

批号(Lot Number): BNY33-01-02

CAS 号(CAS Number): 4329-75-3



分子式(Molecular Formula): C₁₂H₁₀N₄O₂

分子量(Molecular Weight): 242.24

储存条件(Long Term Storage Conditions): 2-8°C

有效期(Validity period): 三年 (至 2028-3-13)

项目(ITEM)	标准(SPECIFICATION)	结果(RESULT)
Appearance:	白色至淡黄色固体	淡黄色固体
Identification:	MS	Conforms
	HNMR	Conforms
	CNMR	Conforms
	UV	Conforms
HPLC Purity:	Not less than 95%	98.77%
TGA Assay:	Not less than 95%	99.52%

制备日期: 2025-3-11

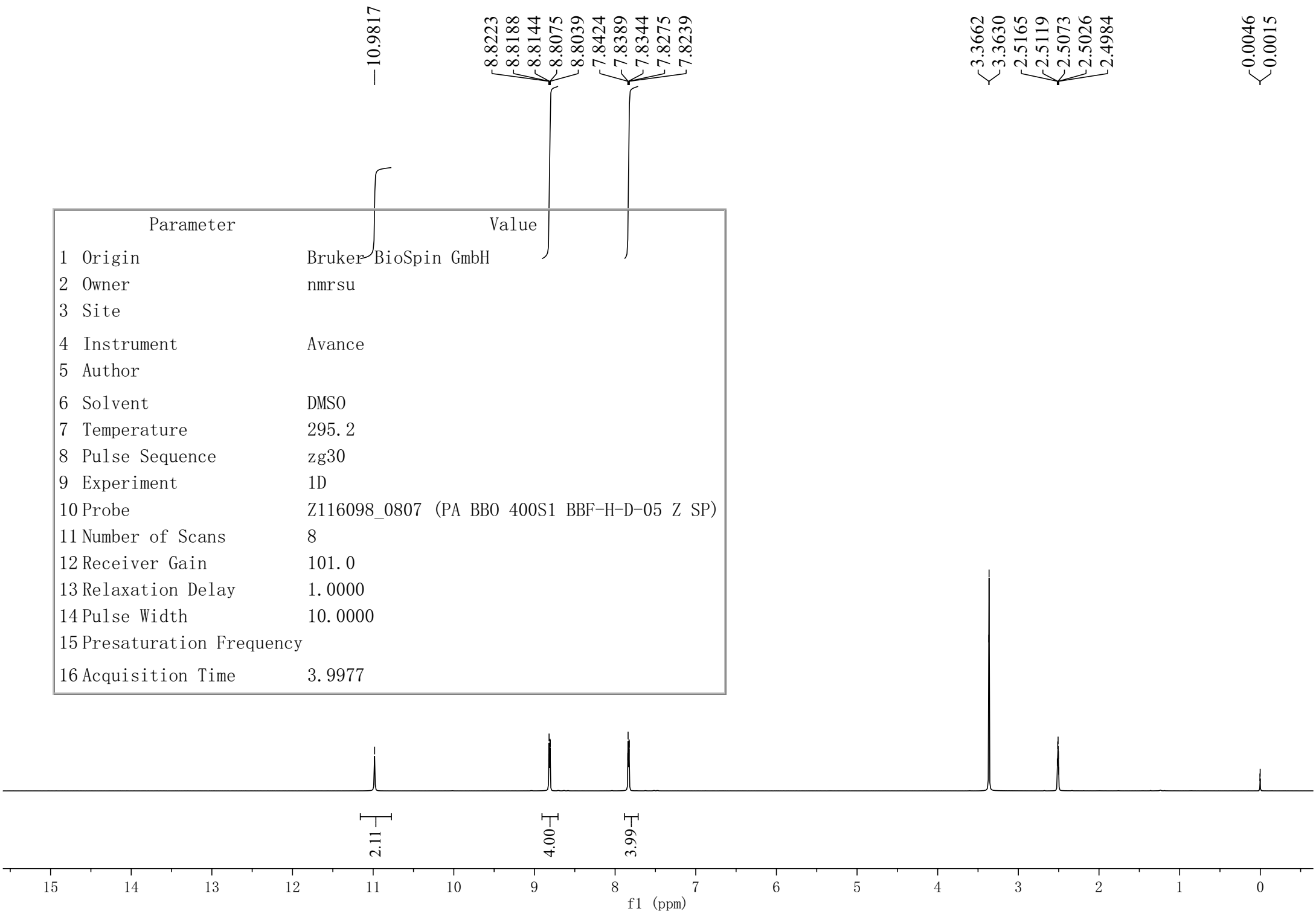
报告日期: 2026-4-20

产品仅供体外研究使用, 不用于临床诊断!

佛山宝诺生物科技有限公司

www.fsbn-bio.com 0757-85921206

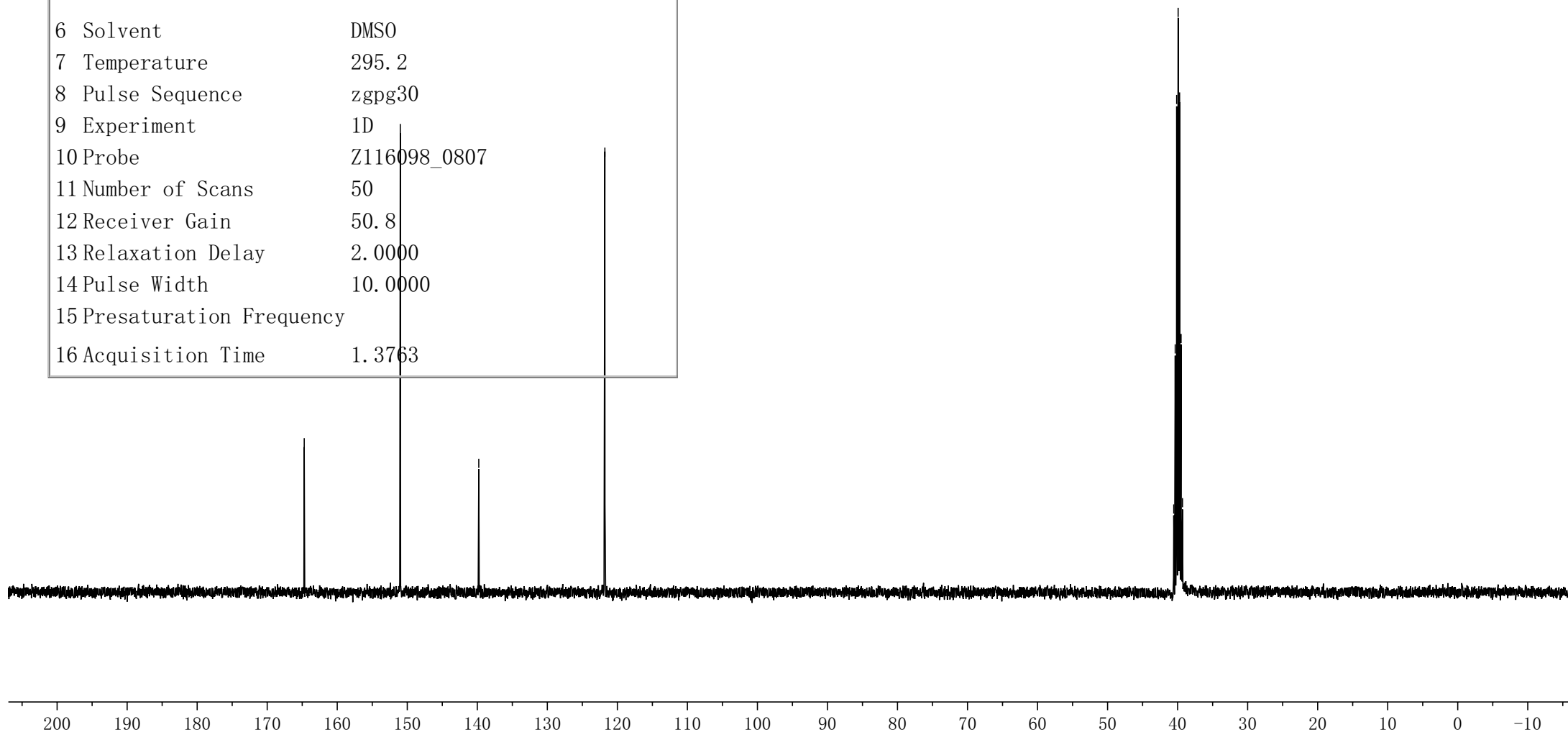
Parameter	Value
1 Origin	Bruker BioSpin GmbH
2 Owner	nmrsu
3 Site	
4 Instrument	Avance
5 Author	
6 Solvent	DMSO
7 Temperature	295.2
8 Pulse Sequence	zg30
9 Experiment	1D
10 Probe	Z116098_0807 (PA BBO 400S1 BBF-H-D-05 Z SP)
11 Number of Scans	8
12 Receiver Gain	101.0
13 Relaxation Delay	1.0000
14 Pulse Width	10.0000
15 Presaturation Frequency	
16 Acquisition Time	3.9977



164.71 151.00 139.79 121.78

40.55 40.34 40.13 39.92 39.72 39.51 39.30

Parameter	Value
1 Origin	Bruker BioSpin GmbH & Co. KG
2 Owner	HP
3 Site	
4 Instrument	Avance
5 Author	
6 Solvent	DMSO
7 Temperature	295.2
8 Pulse Sequence	zgpg30
9 Experiment	1D
10 Probe	Z116098_0807
11 Number of Scans	50
12 Receiver Gain	50.8
13 Relaxation Delay	2.0000
14 Pulse Width	10.0000
15 Presaturation Frequency	
16 Acquisition Time	1.3763





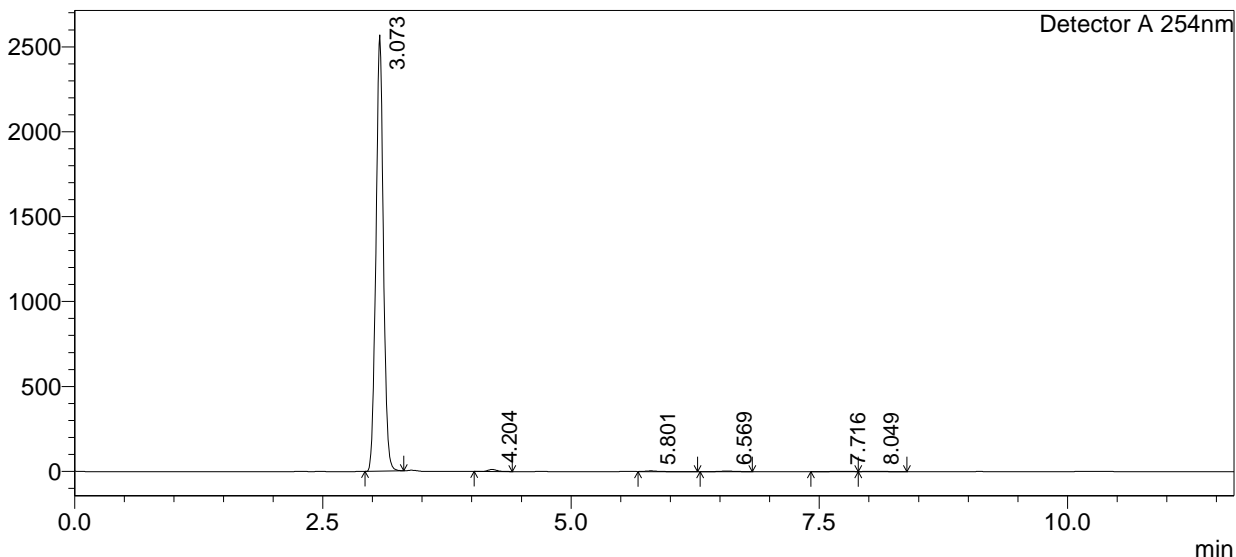
Analysis Report

<Sample Information>

Sample Name : 4329-75-3
 Sample ID :
 Data Filename : xt.lcd
 Method Filename : 1218-1.lcm
 Batch Filename : 1218.lcb
 Vial # : 1-24
 Injection Volume : 5 uL
 Date Acquired : 2025-03-14 13:25:38
 Date Processed : 2025-03-14 14:02:16
 Sample Type : Unknown
 Acquired by : System Administrator
 Processed by : System Administrator

<Chromatogram>

mV



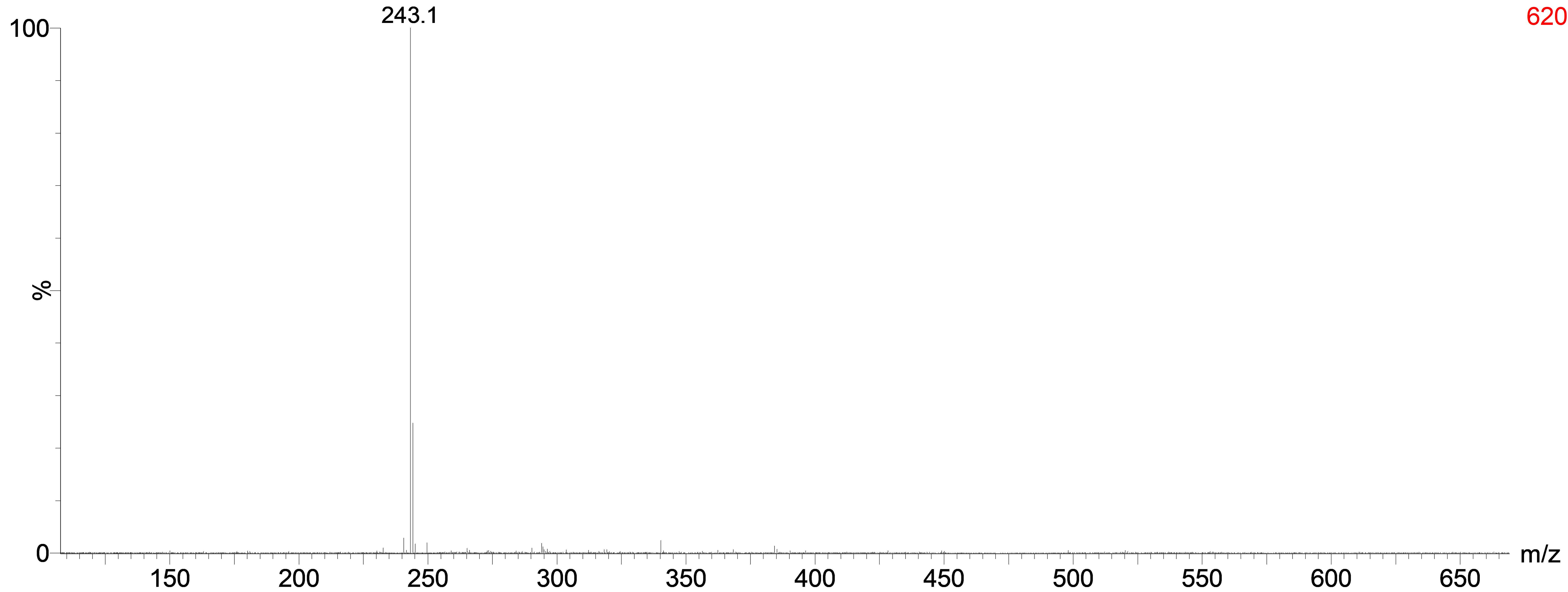
<Peak Table>

Detector A 254nm

Peak#	Ret. Time	Area	Height	Area%
1	3.073	13331344	2569887	98.774
2	4.204	78042	12187	0.578
3	5.801	29861	4046	0.221
4	6.569	26809	3158	0.199
5	7.716	16814	1665	0.125
6	8.049	13900	1197	0.103
Total		13496769	2592141	100.000

SAMPLE-20220414-01 479 (8.934)

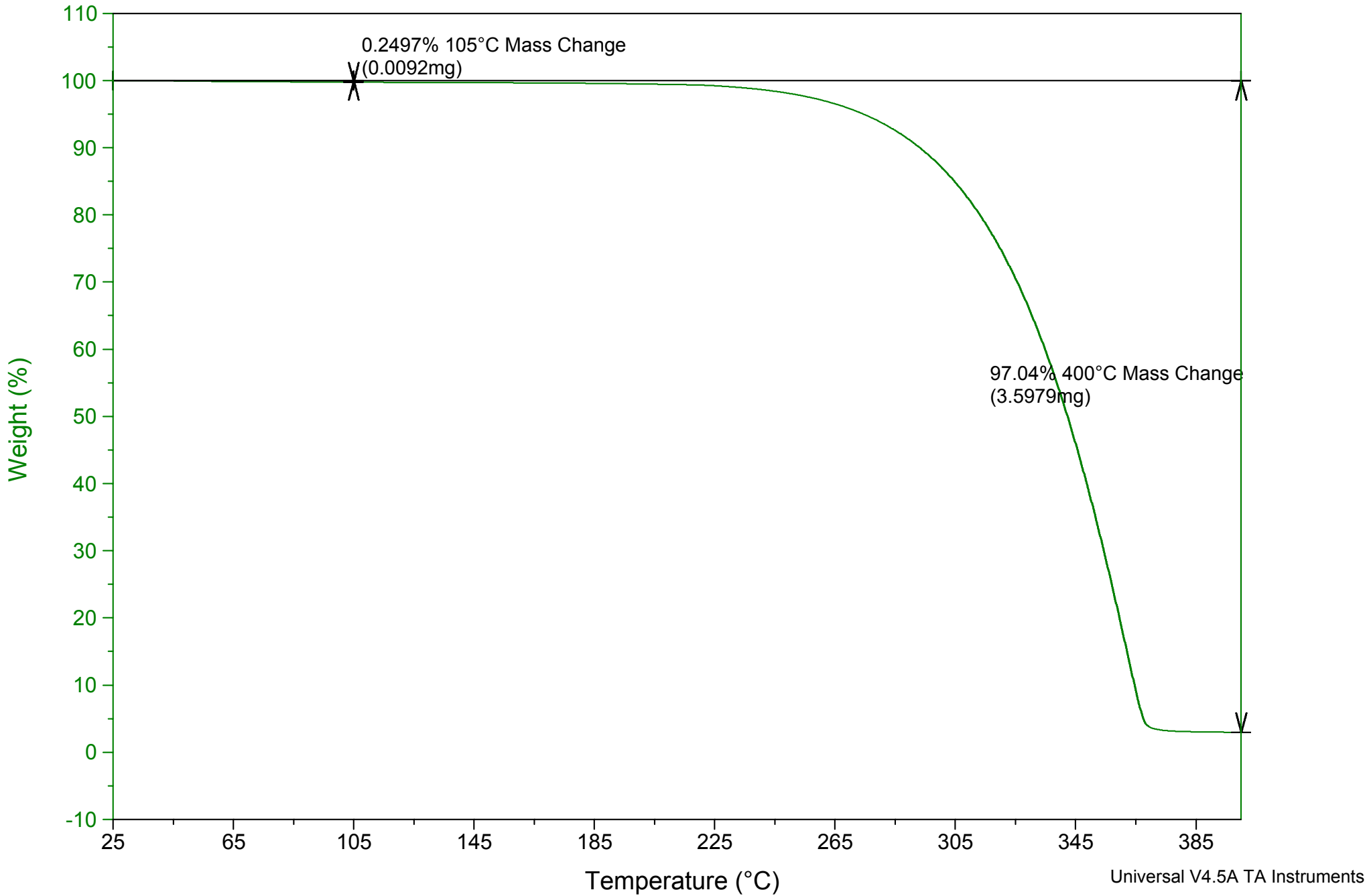
TOF MS ES+
620

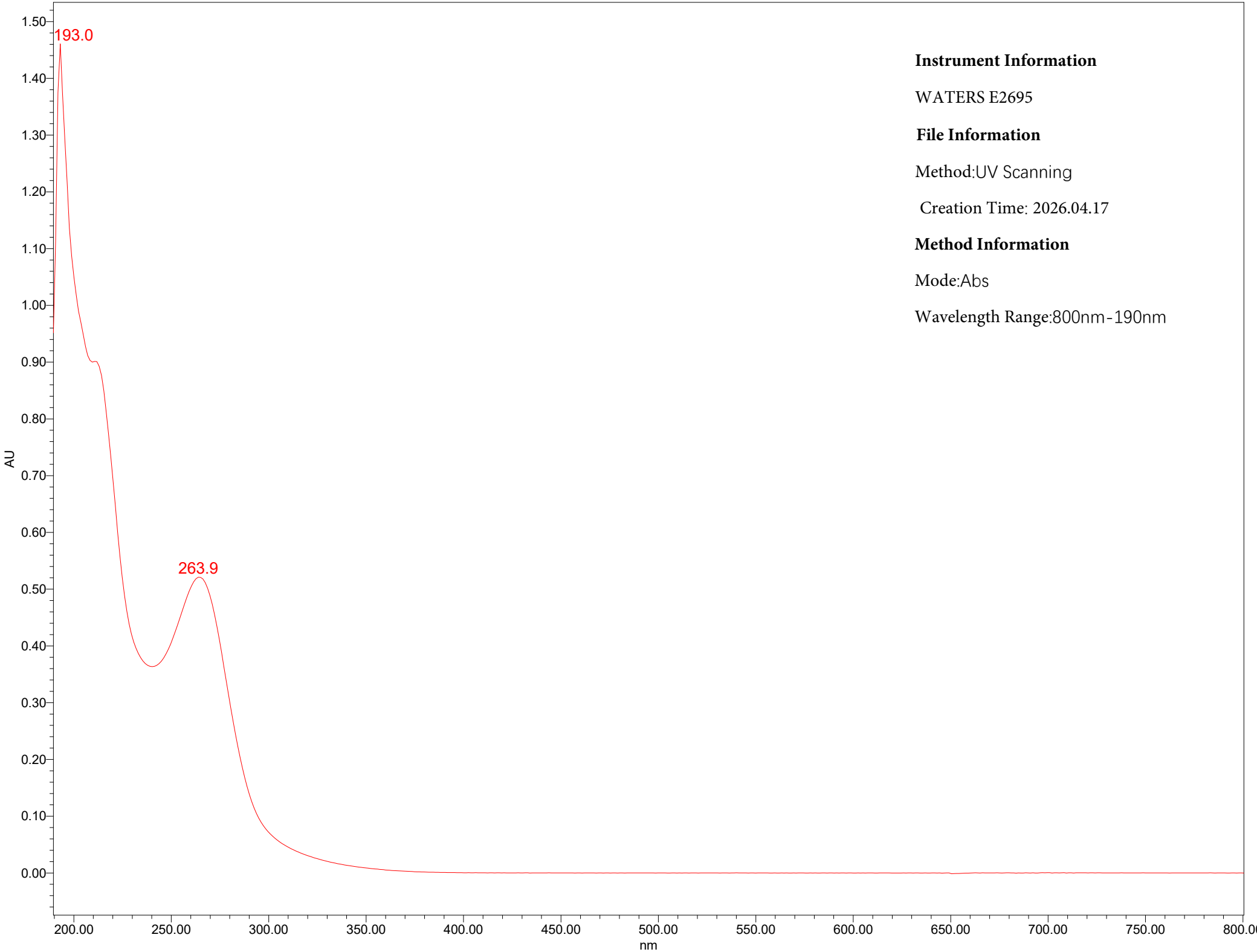


Sample: 4329-75-3
Size: 3.7076 mg
Method: TGA-RAMP-05 25-400

TGA

File: \\...\\ta\\XC\\Data\\TXT\\534 TGA.txt
Run Date: 2026/4/20 01:23
Instrument: TGA Q500 V20.13 Build 39





Instrument Information

WATERS E2695

File Information

Method:UV Scanning

Creation Time: 2026.04.17

Method Information

Mode:Abs

Wavelength Range:800nm-190nm