

Name:	Oxybutynin-N-Substituted Allyl Impurity (Oxybutynin OXB RC7)
Lot#:	GR-17-267
Test Date:	11/22/2022 (re-test date: 11/22/2027)
CAS No.:	NA
MF:	C ₃₈ H ₄₉ NO ₆
MW:	615.80
Appearance:	Colorless viscous oil
Purity:	98.6% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms (contains 0.86% of MTBE)
FTIR:	Attached
MS-ESI (+)	Conforms (shows peak at m/z = 616.36 [M _(free base) +H] ⁺)
Storage	Store at 0-5°C in a dry place away from direct sunlight

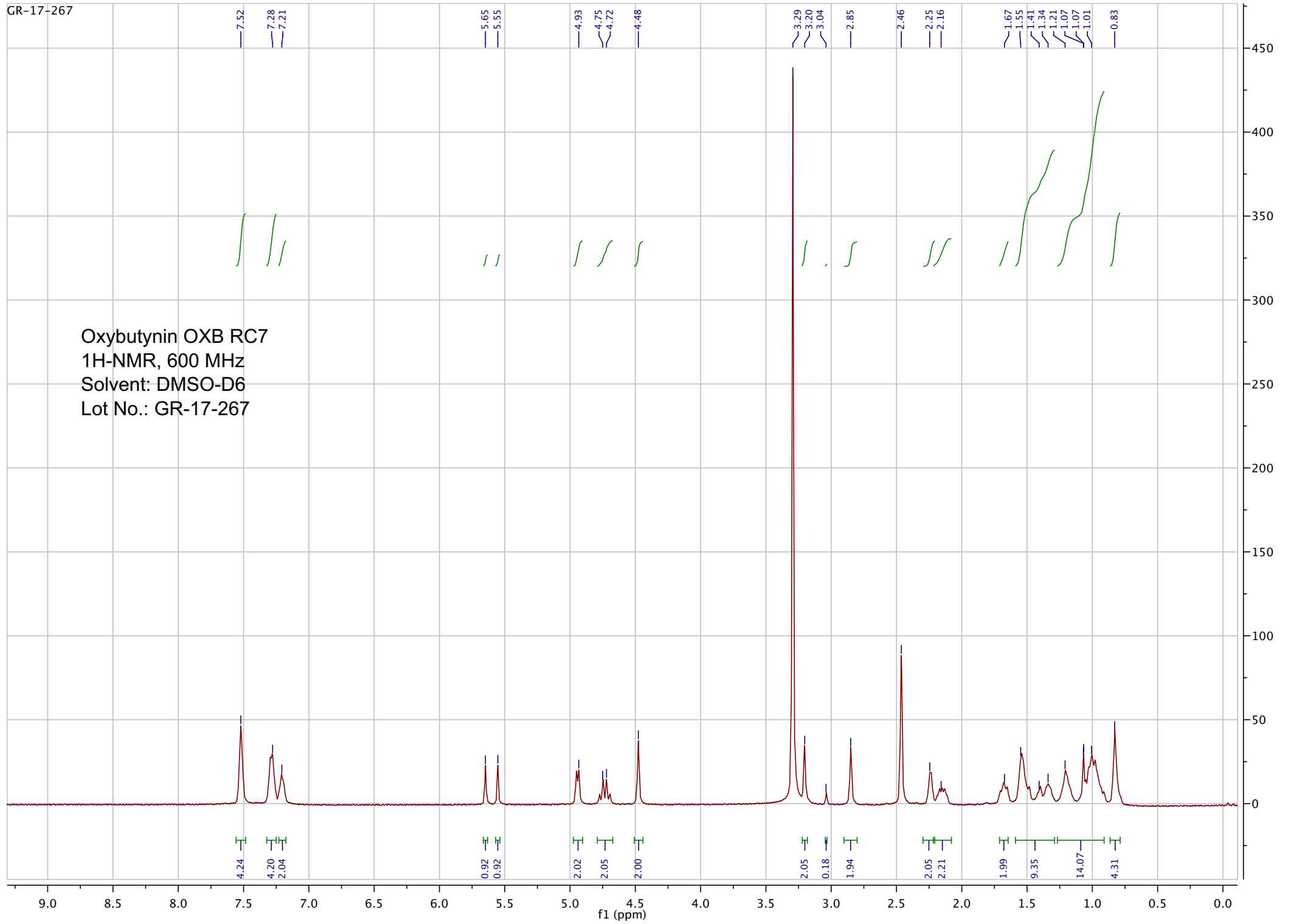
Approved by:

Date: 11/29/2022

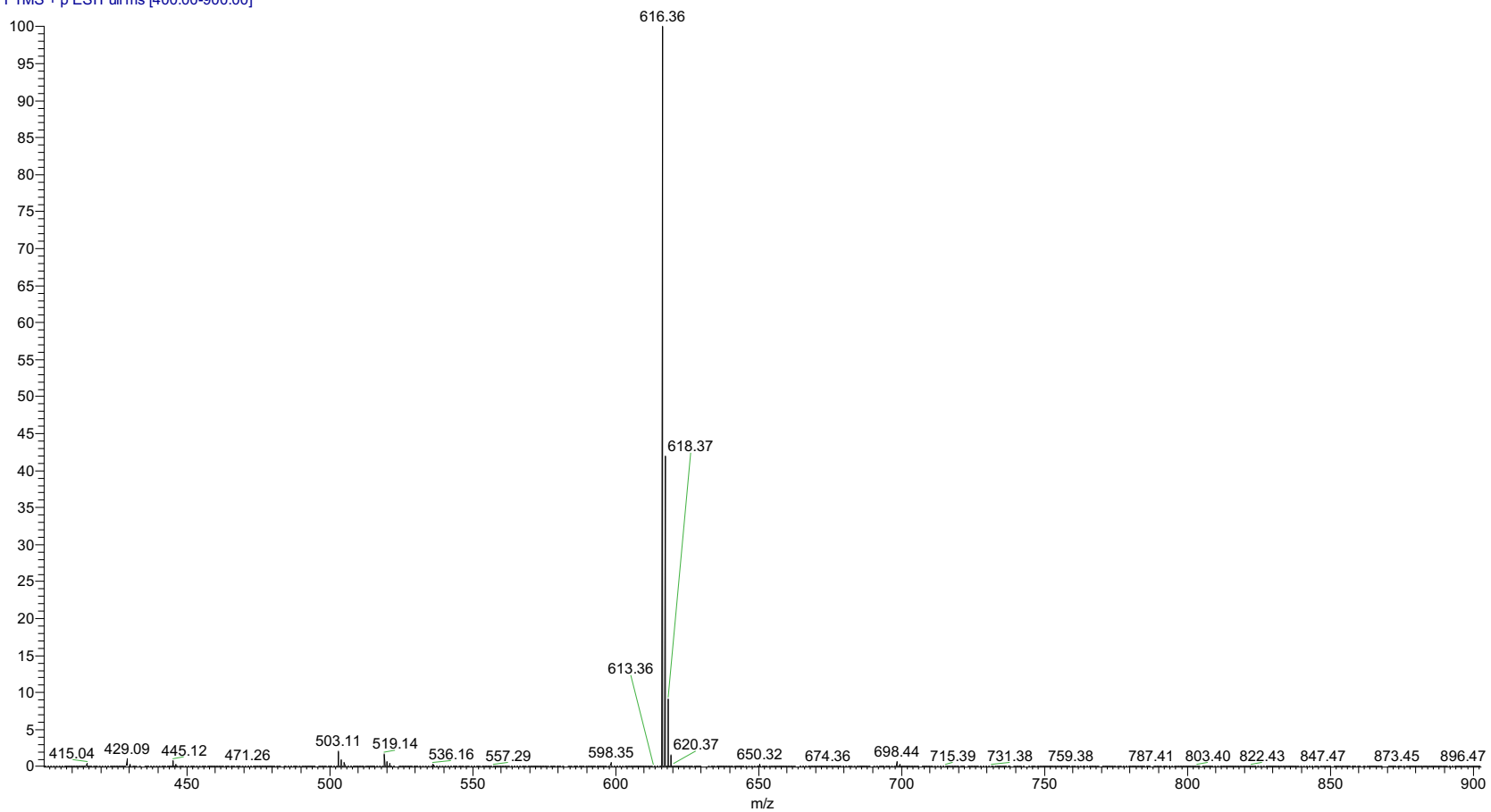
Viorica Rusu, QC/QA Manager

GR-17-267

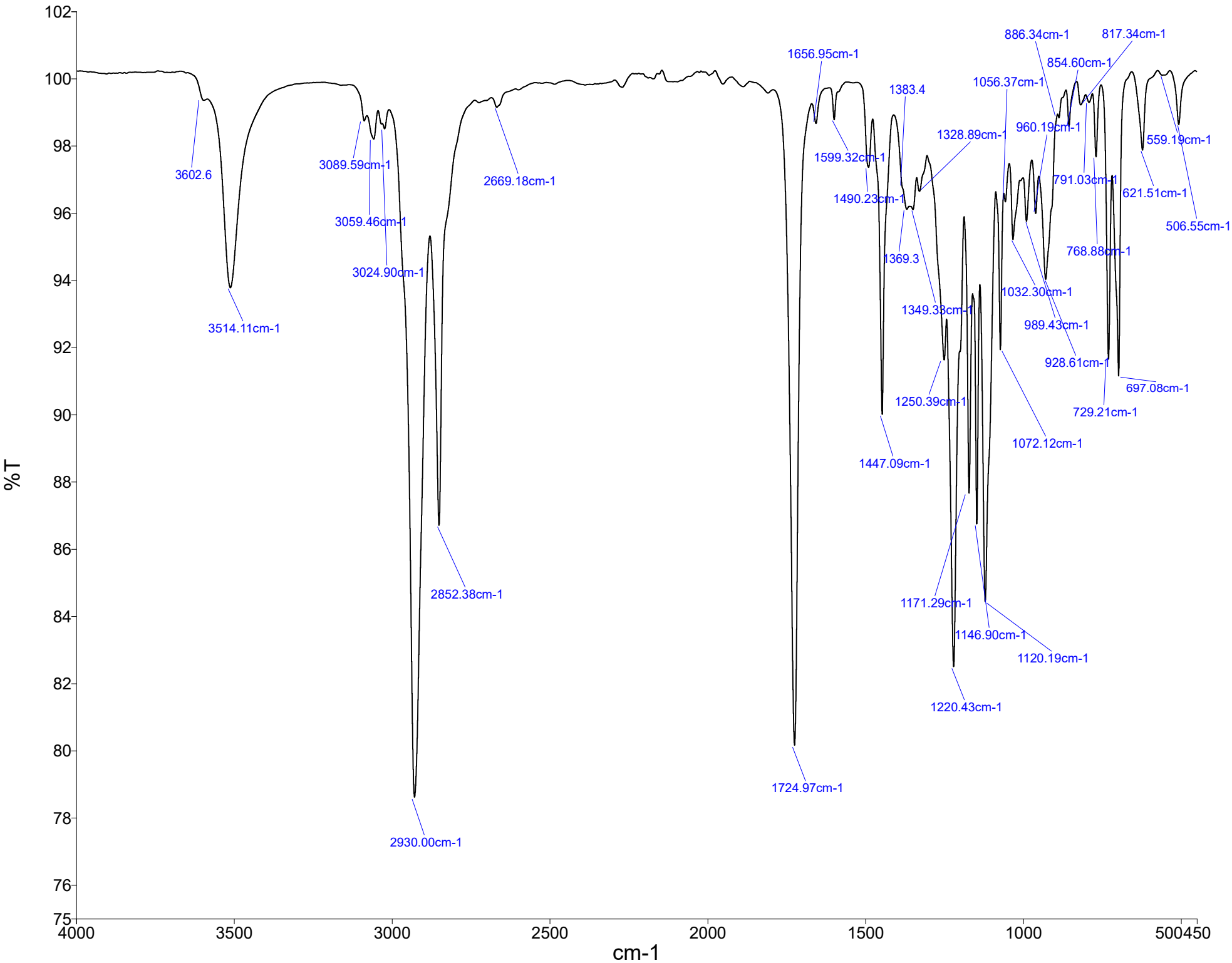
Oxybutynin OXB RC7
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-17-267



pp_2022_074_GR_17_267_1#914-921 RT: 4.34-4.37 AV: 8 NL: 8.8
T: FTMS + p ESIFull.ms [400.00-900.00]



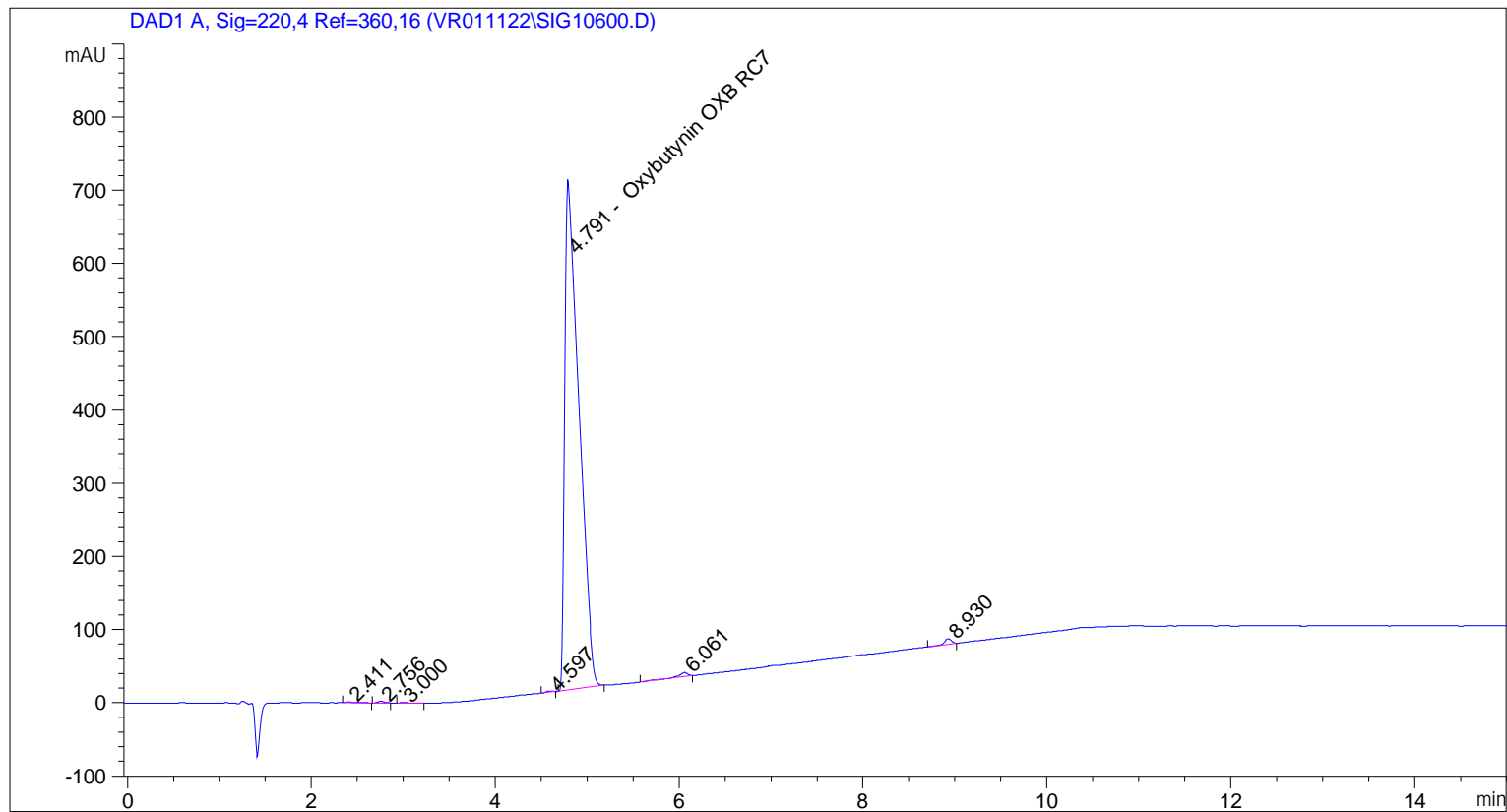
ESI-MS spectrum for sample GR-17-267. Shows monoisotopic [M+H]⁺ mass.



Name: GR-17-267
Description: Sample 262 By Analyst Date Monday, November 28 2022

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 20
Injection Date  : 11/22/2022 7:56:02 AM
                                           Inj Volume : 15.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR112222_267.M
Last changed    : 11/22/2022 7:54:47 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR112222_267PM.M
Last changed    : 11/22/2022 10:17:48 AM by vrusu
  
```



Area Percent Report

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Sorted By           : Signal
Calib. Data Modified : 11/21/2022 3:51:09 PM
Multiplier:         : 1.0000
Dilution:           : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,16

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.411	BB	0.0710	6.56309	0.0855	?
2	2.756	BB	0.0638	9.48998	0.1237	?
3	3.000	BB	0.1083	2.42853	0.0317	?
4	4.597	BB	0.0676	7.47249	0.0974	?
5	4.791	BB	0.1606	7567.04053	98.6356	Oxybutynin OXB RC7
6	6.061	BB	0.1072	40.23159	0.5244	?
7	8.930	BB	0.0813	38.49099	0.5017	?

Sample Name: GR-17-267

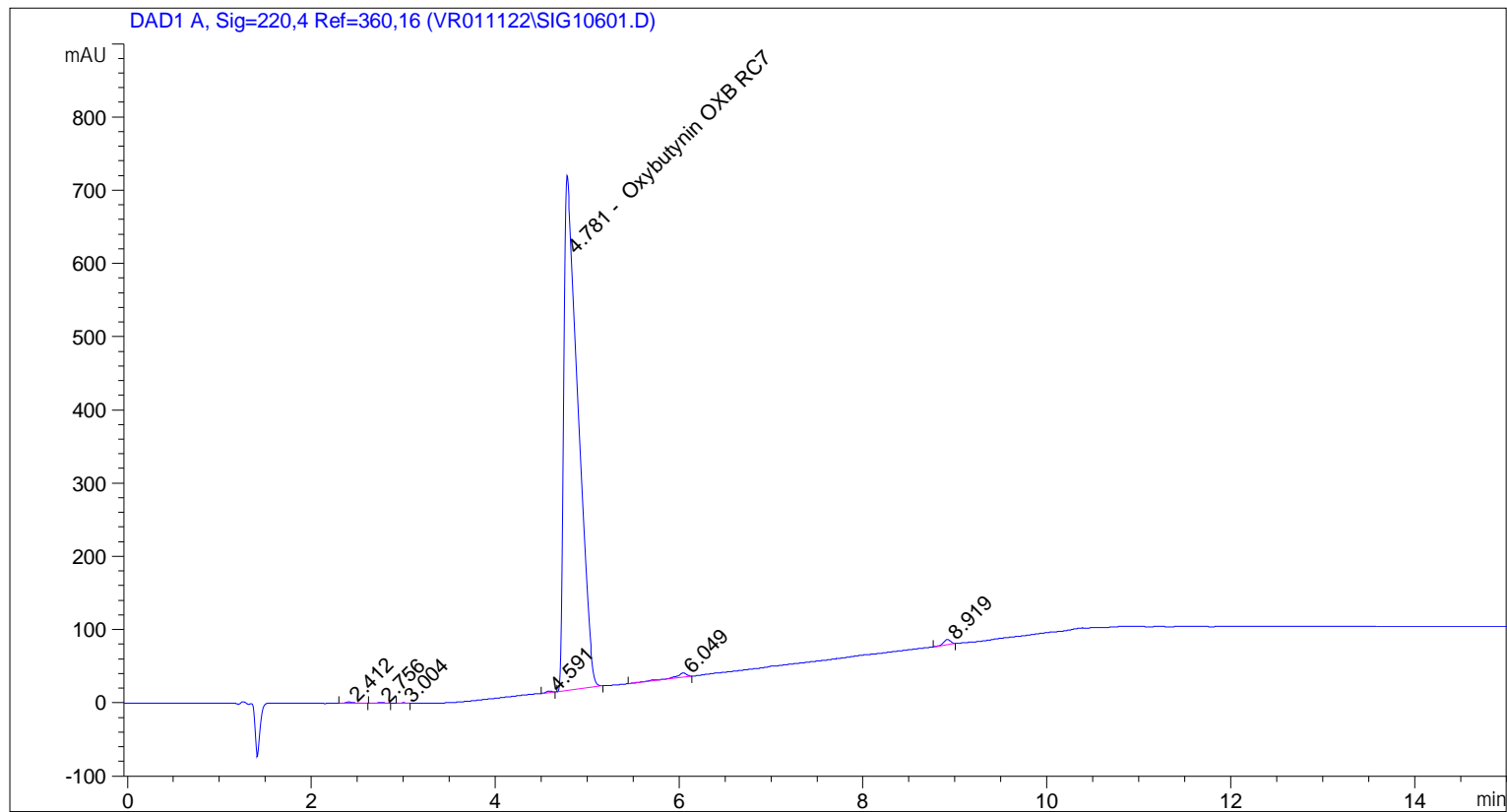
Totals : 7671.71721

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*** End of Report ***

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Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 21
Injection Date  : 11/22/2022 8:16:26 AM
                                           Inj Volume : 15.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR112222_267.M
Last changed    : 11/22/2022 8:15:08 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR112222_267PM.M
Last changed    : 11/22/2022 10:17:48 AM by vrusu
  
```



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 Area Percent Report
 =====

```

Sorted By      :      Signal
Calib. Data Modified : 11/21/2022 3:51:09 PM
Multiplier:    :      1.0000
Dilution:     :      1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,16

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.412	BB	0.0705	6.83918	0.0884	?
2	2.756	BB	0.0688	3.68843	0.0477	?
3	3.004	BB	0.0671	1.16252	0.0150	?
4	4.591	BB	0.0715	7.70622	0.0996	?
5	4.781	BB	0.1587	7635.51221	98.6561	Oxybutynin OXB RC7
6	6.049	BB	0.1151	45.97593	0.5940	?
7	8.919	BB	0.0801	38.63531	0.4992	?

Sample Name: GR-17-267 spl-2

Totals : 7739.51979

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*** End of Report ***