

Name:	Levonorgestrel-D6 (major)
Lot#:	GR-6-185
Test Date:	05/08/2020 (re-test date: 05/08/2025)
CAS No.:	797-63-7 (unlabelled)
MF:	C ₂₁ H ₂₂ D ₆ O ₂
MW:	318.49
Appearance:	White solid
Purity:	99.6% by HPLC
¹H-NMR:	Conforms (shows ~4% of the D5 form)
MS-ESI (+)	Conforms (shows peaks at m/z = 319.26 [M+H] ⁺)
Storage	Long term store at - 20° C in a dry place away from direct sunlight

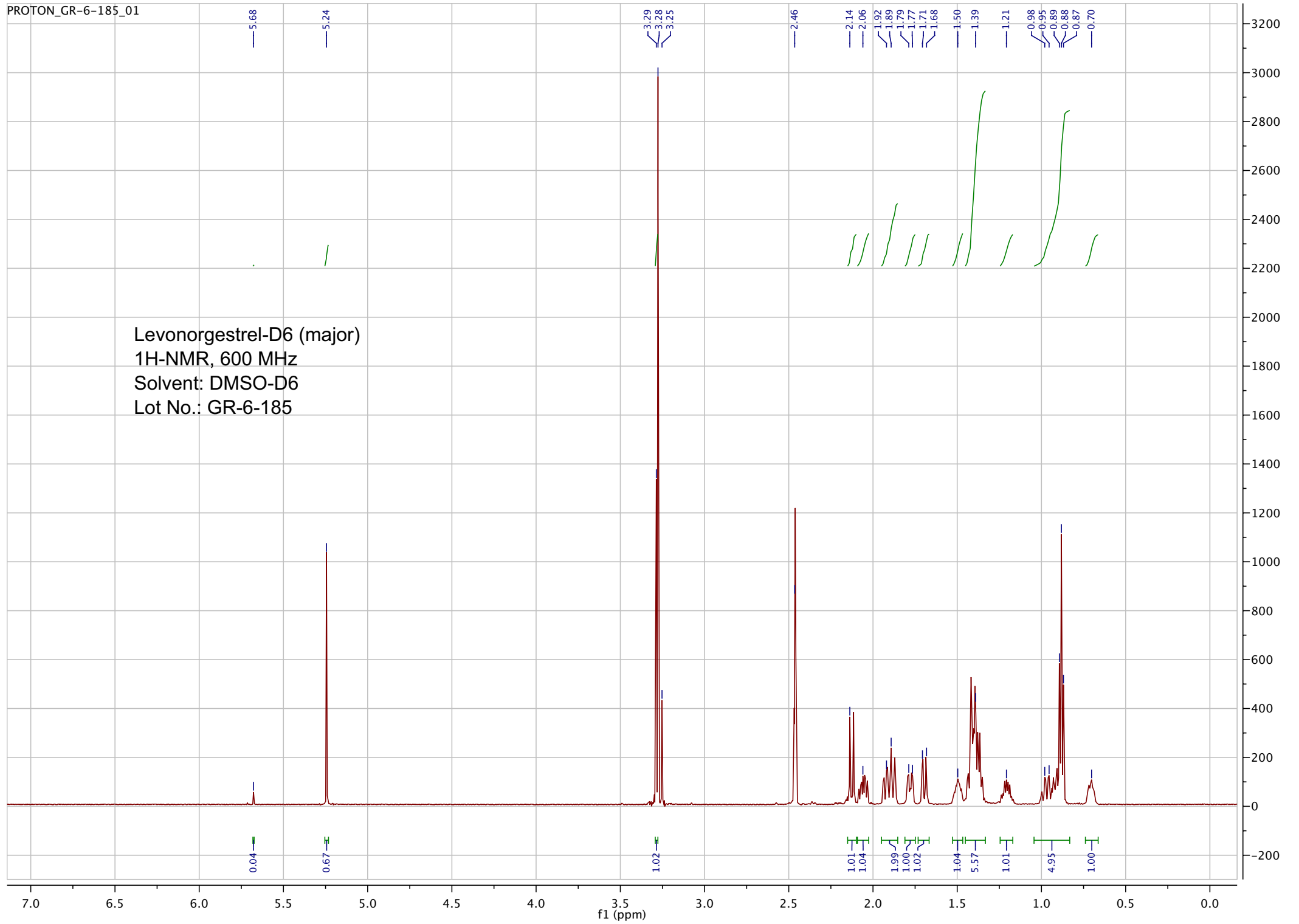
Approved by:

Date: 05/08/2020



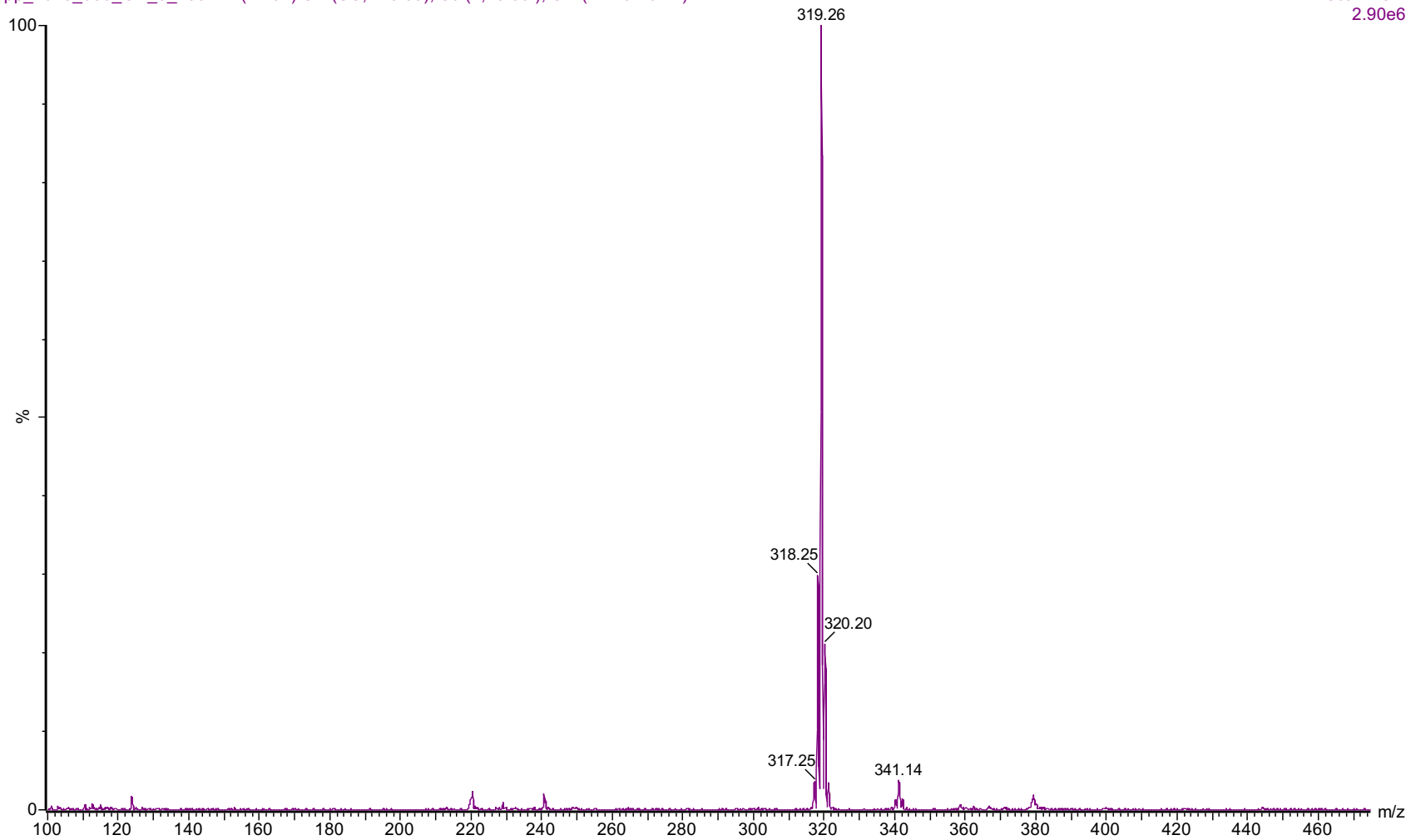
Viorica Rusu, QC/QA Manager

Levonorgestrel-D6 (major)
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-6-185



pp_2015_086_GR_6_185 24 (1.404) Sm (SG, 2x0.60); Sb (2,10.00); Cm (24:26-40:44)

Scan ES+
2.90e6



ESI-MS spectrum for sample GR-6-185. Shows monoisotopic [M+H]⁺ mass.

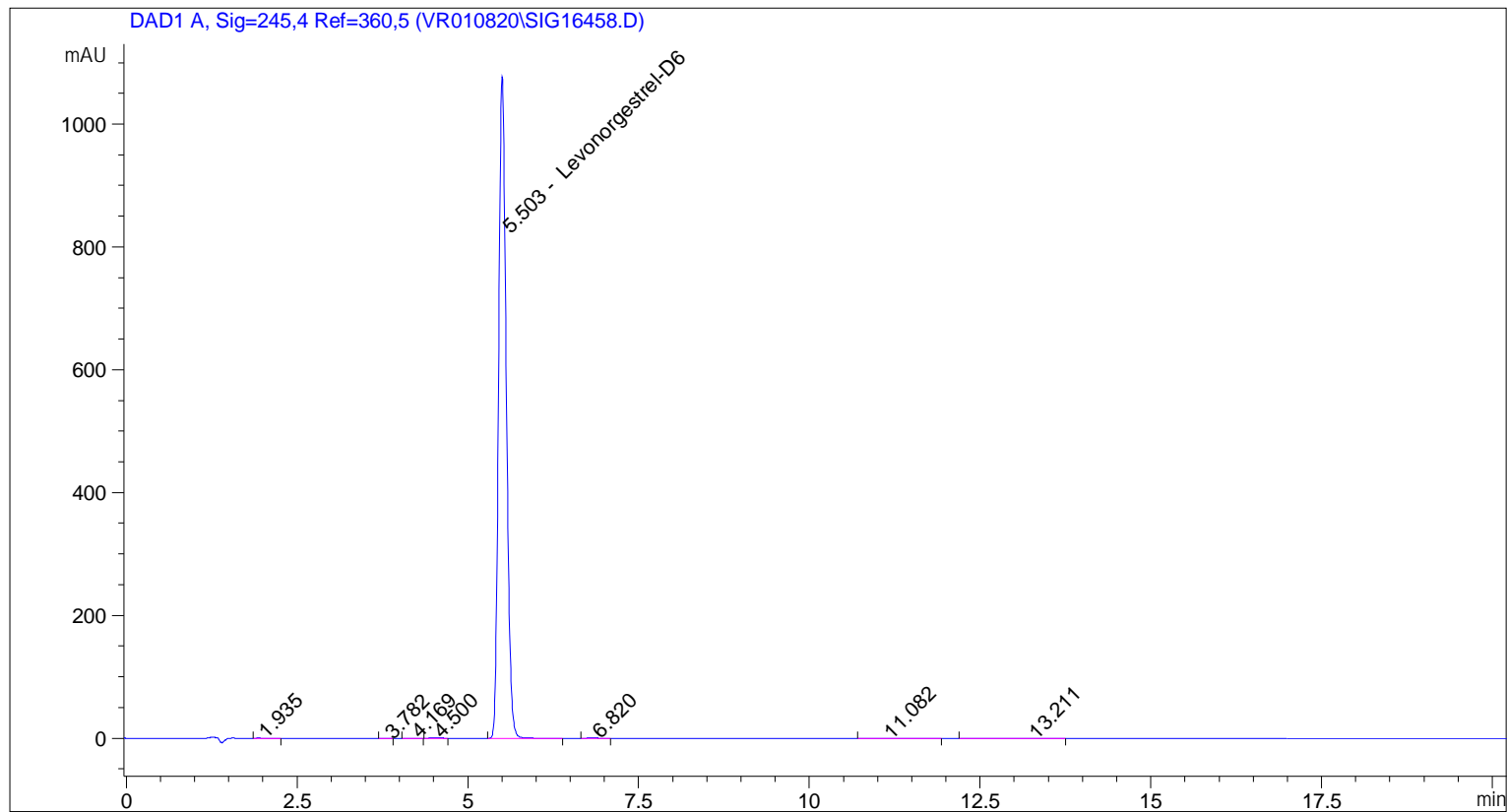
pp_2015_086_GR_6_185 24 (1.404) Sm (SG, 2x0.60); Sb (2, 10.00); Cm (24:26-40:44)

Scan ES+
2.90e6



Expansion of above showing intensity of each peak.

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 30
Injection Date : 5/8/2020 1:59:19 PM Inj Volume : 30.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR050820_185.M
Last changed : 5/8/2020 1:57:38 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR050820_185PM.M
Last changed : 5/8/2020 2:28:32 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 5/8/2020 2:27:58 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=245,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.935	BB	0.0948	2.38600	0.0284	?
2	3.782	BB	0.0910	1.25465	0.0149	?
3	4.169	BB	0.0995	2.30503	0.0274	?
4	4.500	BB	0.1501	9.32196	0.1110	?
5	5.503	BB	0.1205	8363.29492	99.5528	Levonorgestrel-D6
6	6.820	BB	0.1384	5.50917	0.0656	?
7	11.082	VB	0.5988	9.00539	0.1072	?
8	13.211	BB	0.4726	7.79047	0.0927	?

Sample Name: GR-6-185

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
Totals :				8400.86759		

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*** End of Report ***