

Name:	Dienogest Impurity G
Lot#:	GR-15-055
Test Date:	08/07/2025 (re-test date: 08/07/2030)
CAS No.:	86153-38-0
MF:	C ₂₀ H ₂₃ NO ₂
MW:	309.40
Appearance:	Off-White Solid
Purity:	97.8% by HPLC (average of two sample preparations)
¹H-NMR:	Conforms
MS-ESI (-)	Conforms (shows peak at m/z = 308.17 [M-H] ⁻)
Storage	Store at 0-8°C in a dry place away from direct sunlight

Approved by:

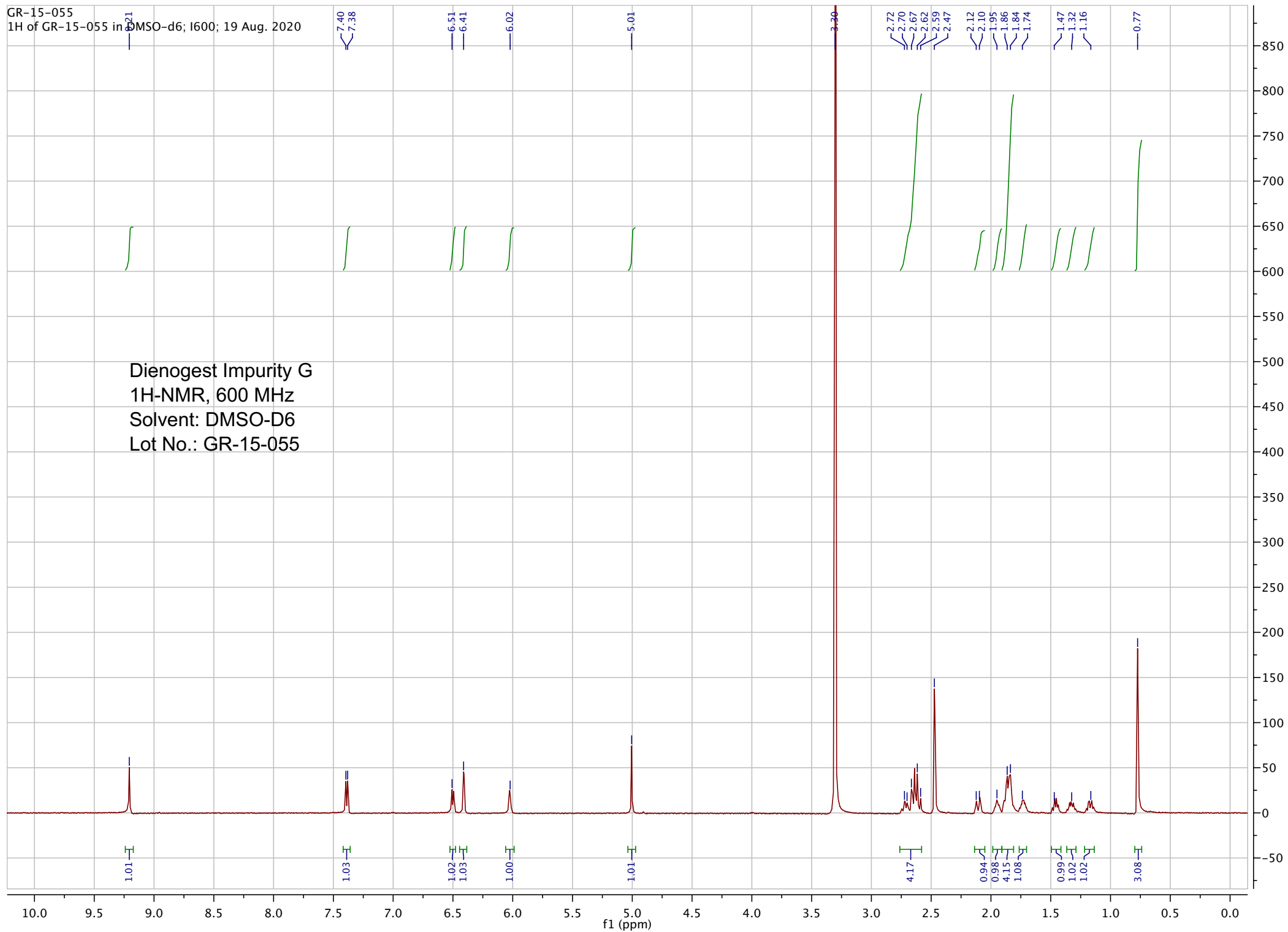
Date: 08/07/2025



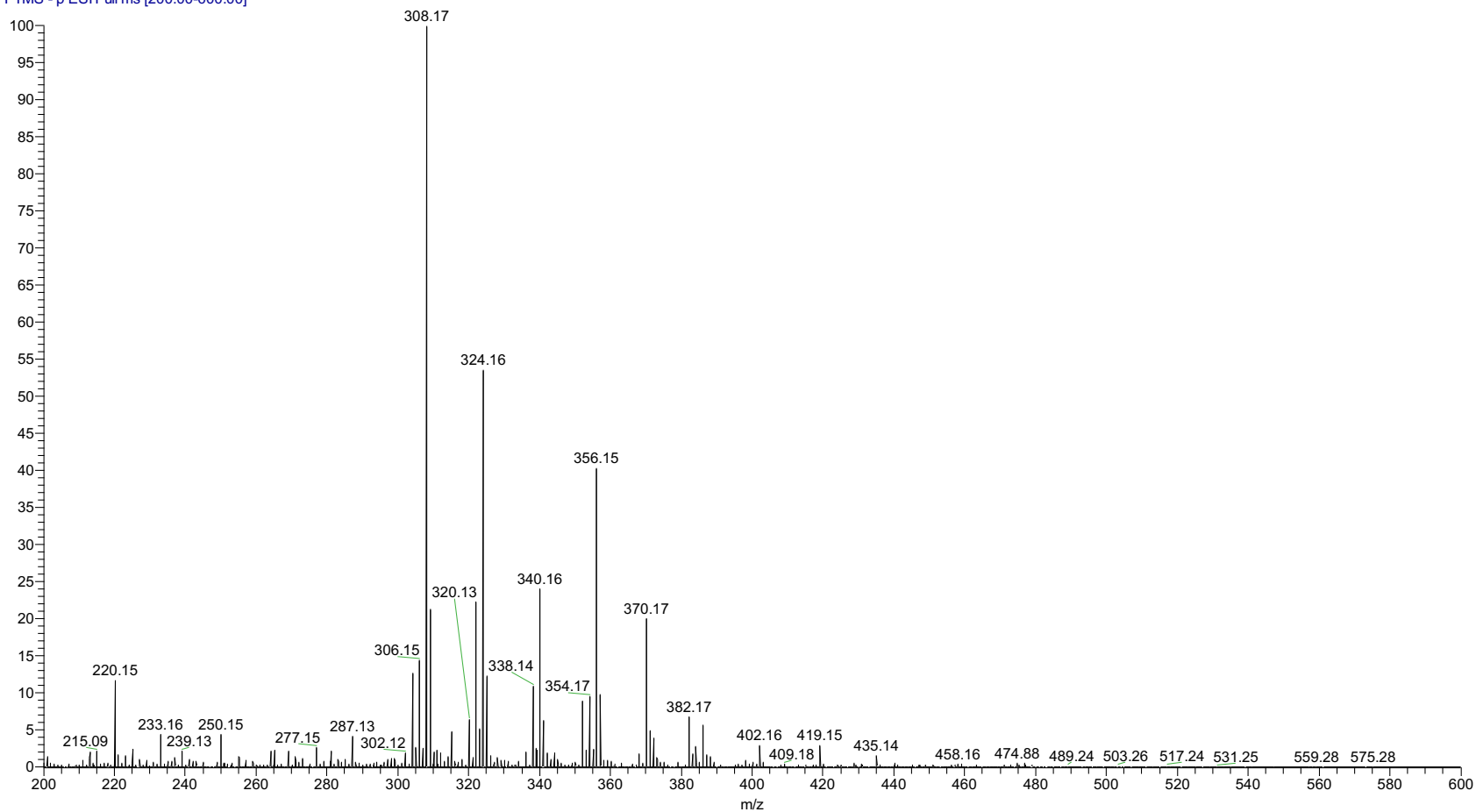
Viorica Rusu, QC/QA Manager

GR-15-055
1H of GR-15-055 in DMSO-d6; 1600; 19 Aug. 2020

Dienogest Impurity G
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-15-055



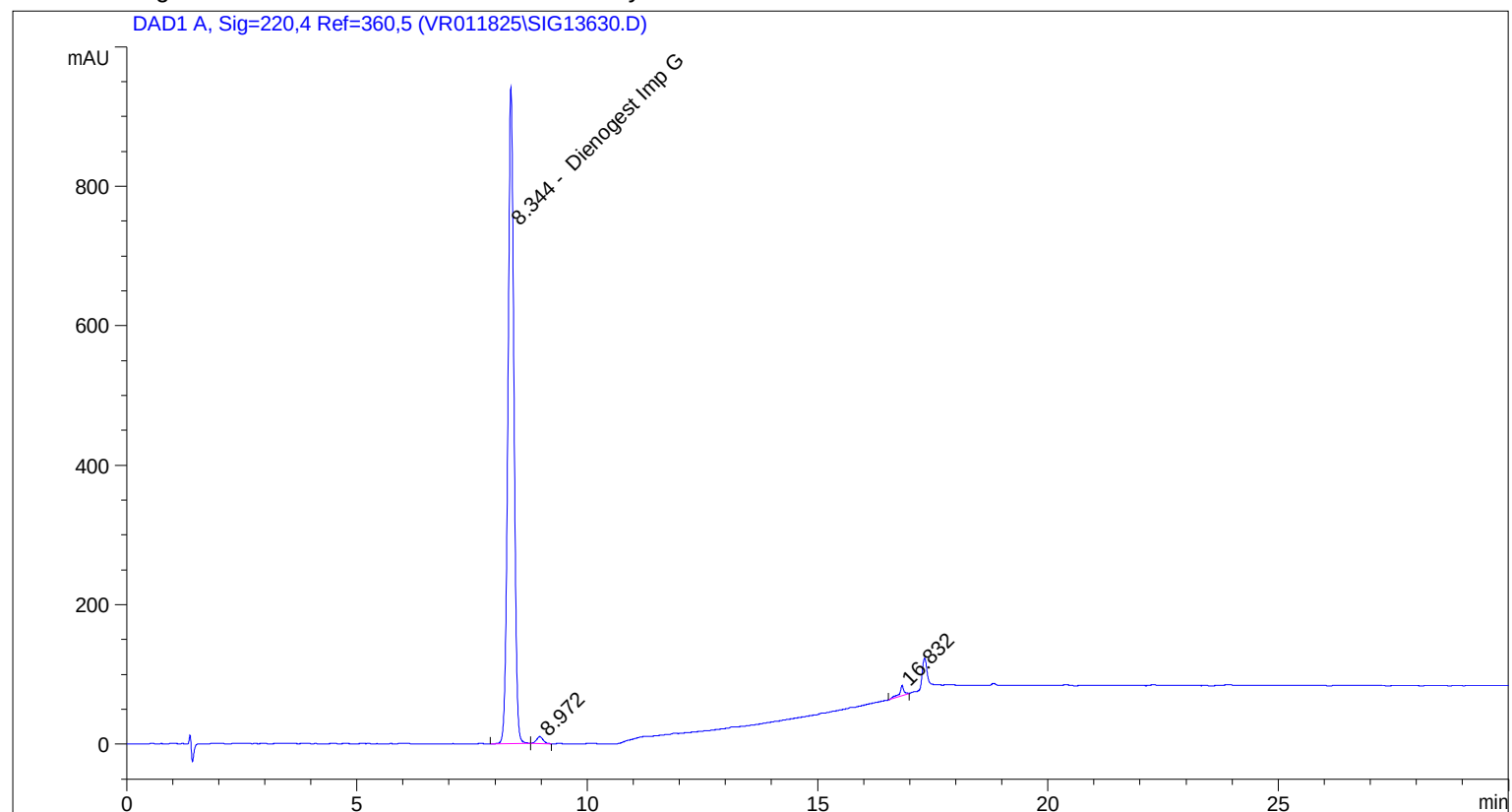
pp_2020_017_GR15055_neg_001 #407 RT: 2.93 AV: 1 NL: 2.04E5
T: FTMS - p ESI Full ms [200.00-600.00]



ESI-MS spectrum for sample GR-15-055. Shows monoisotopic $[M-H]^-$ mass.

Sample Name: GR-15-055 spl-2

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=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 7
Injection Date  : 8/6/2025 10:19:58 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR080625_055.M
Last changed    : 8/6/2025 10:18:49 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR080725_055PM.M
Last changed    : 8/7/2025 2:09:26 PM by vrusu
=====
```



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                        Area Percent Report
=====
```

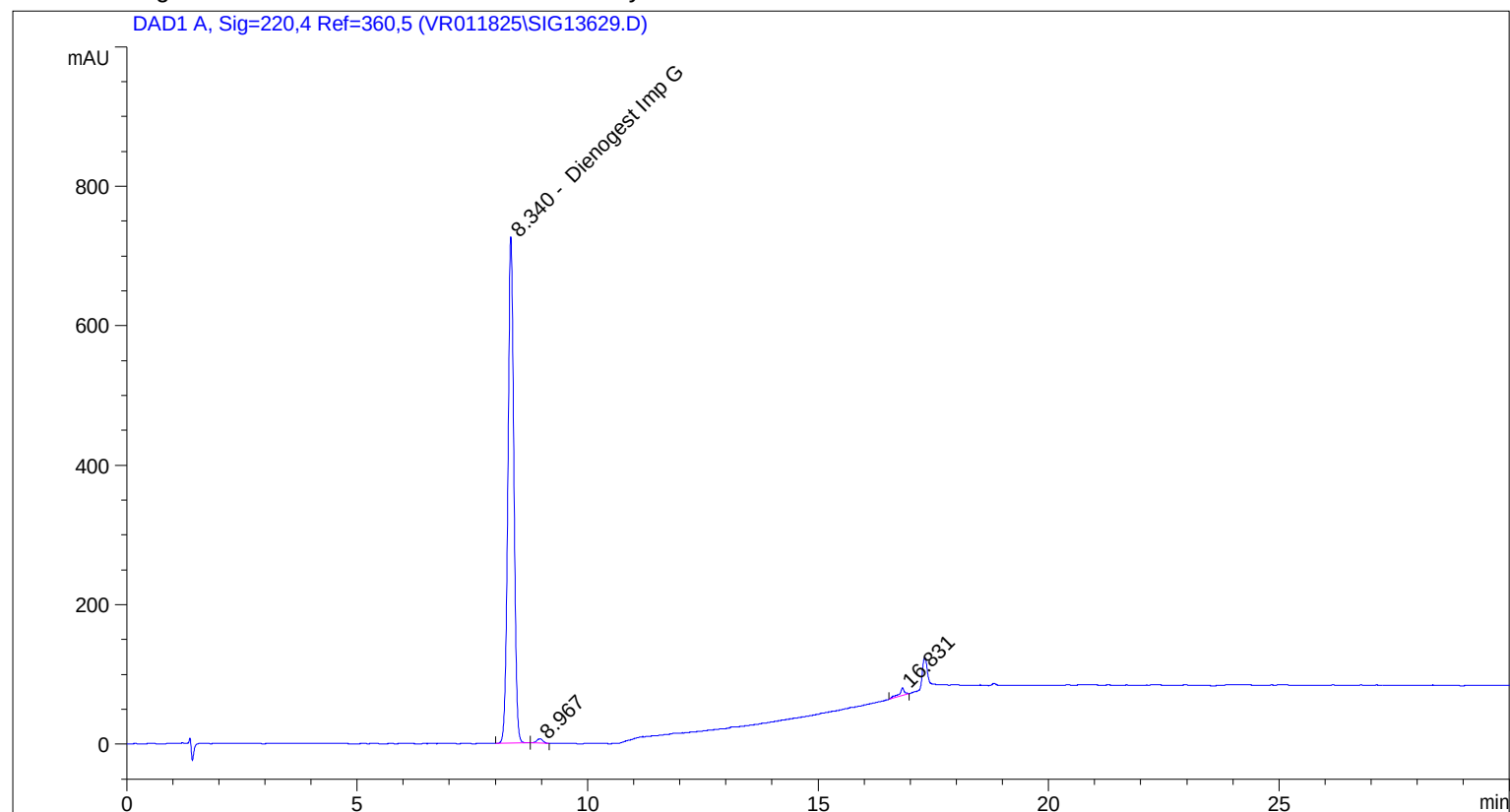
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Sorted By           :      Signal
Calib. Data Modified :      8/7/2025 2:08:58 PM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	8.344	BB	0.1428	8618.40039	97.8425	Dienogest Imp G
2	8.972	BB	0.1473	92.36107	1.0486	?
3	16.832	BB	0.0933	97.68486	1.1090	?

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Totals :                               8808.44632
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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 6
Injection Date : 8/6/2025 9:44:13 AM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR080625_055.M
Last changed : 8/6/2025 9:39:30 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR080725_055PM.M
Last changed : 8/7/2025 2:09:26 PM by vrusu



=====
Area Percent Report
=====

Sorted By : Signal
Calib. Data Modified : 8/7/2025 2:08:58 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=220,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	8.340	BB	0.1421	6605.54736	97.8292	Dienogest Imp G
2	8.967	BB	0.1443	59.92794	0.8875	?
3	16.831	BB	0.1076	86.64668	1.2833	?

Totals : 6752.12199