

Name: 21-Chloro-17 α -[(2-furanylcarbonyl)oxy]-9 β ,11 β -oxido-16 α -methylpregna-1,4-diene-3,20-dione
(Mometasone Furoate Impurity D)

Lot#: GR-2-045

Test Date: 03/24/2025 (re-test date: 03/24/2030)

CAS No.: 83881-09-8

MF: C₂₇H₂₉ClO₆

MW: 484.98

Appearance: White solid

Purity: 92.8% by HPLC (contains 5.1% of the bis-furoate compound)

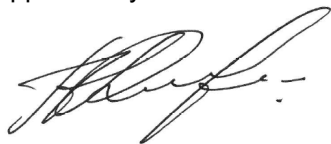
¹H-NMR: Conforms

MS-ESI (+) Conforms

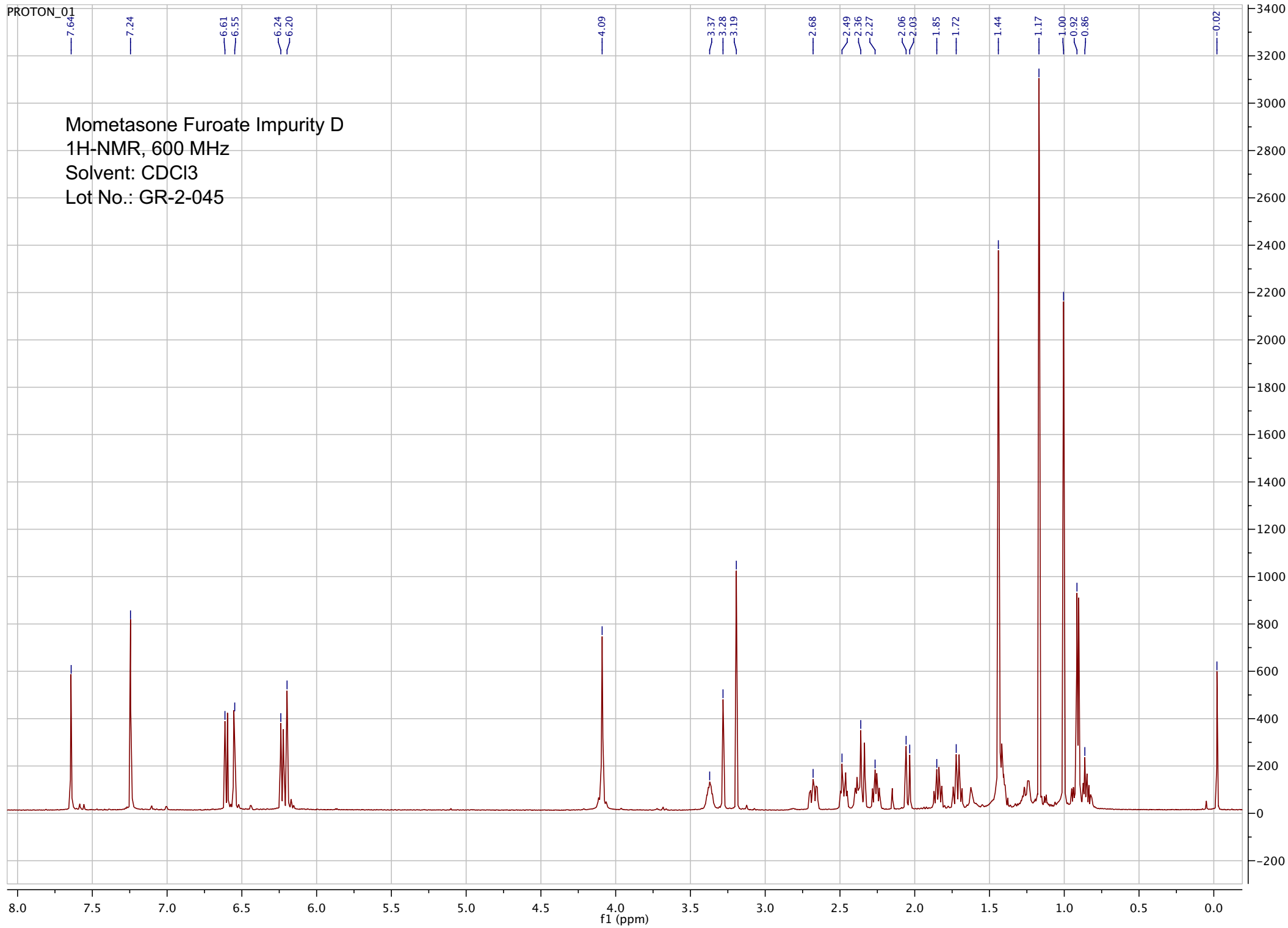
Storage Store at 0-5°C in a dry place away from direct sunlight

Approved by:

Date: 03/24/2025

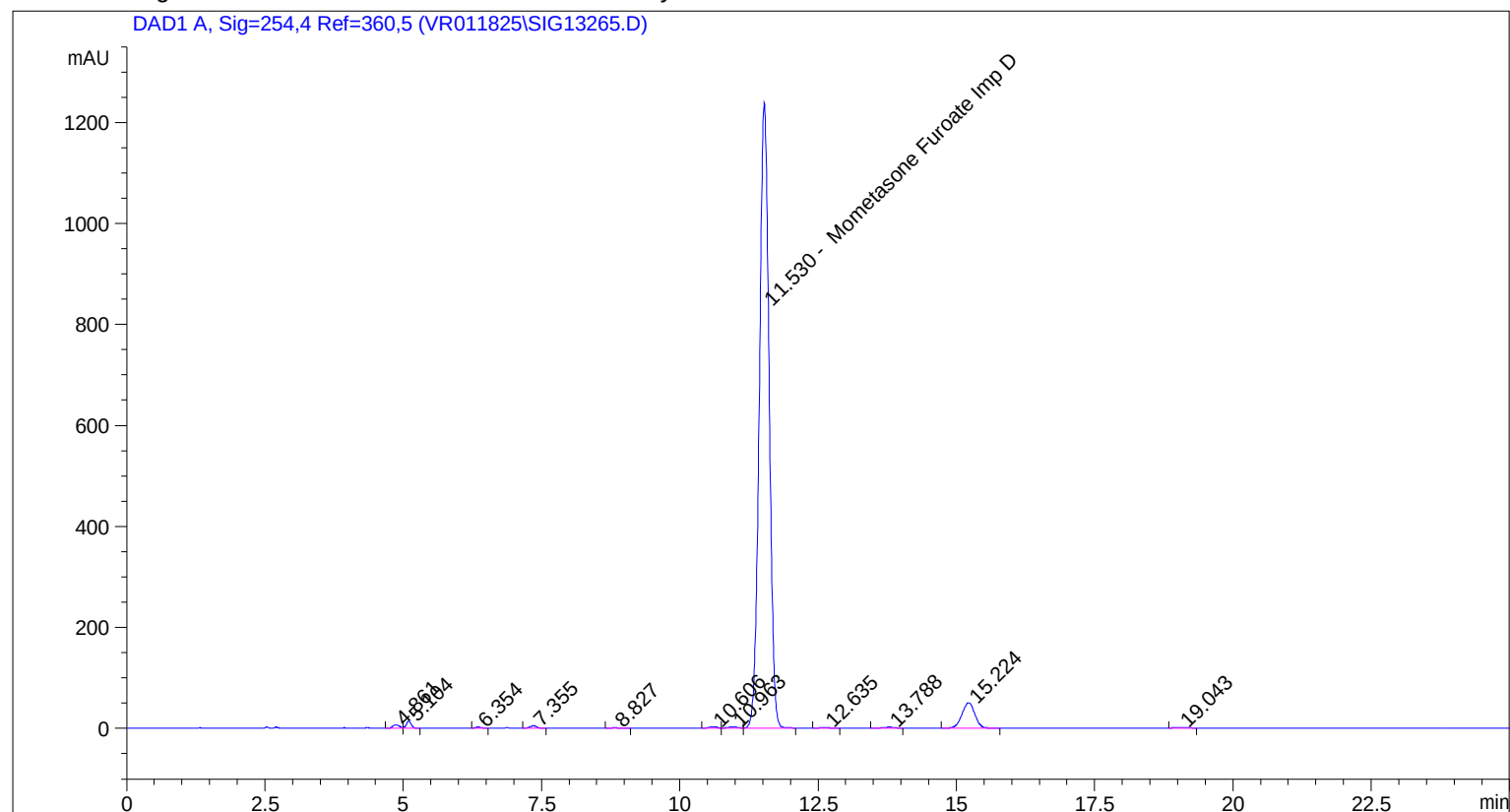


Viorica Rusu, QC/QA Manager



Sample Name: GR-2-045

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Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 60
Injection Date : 3/24/2025 10:31:10 AM Inj Volume : 5.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR032425_045.M
Last changed : 3/24/2025 10:30:07 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR101326_045PM.M
Last changed : 10/13/2026 1:03:46 PM by vrusu



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Area Percent Report
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Sorted By : Signal
Calib. Data Modified : 3/24/2025 3:39:16 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=254,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	4.861	BV	0.1173	57.00341	0.3470	?
2	5.104	VB	0.0947	88.74062	0.5402	?
3	6.354	BB	0.0956	12.62713	0.0769	?
4	7.355	BB	0.1274	39.89356	0.2429	?
5	8.827	BB	0.1230	8.33702	0.0508	?
6	10.606	BB	0.1514	25.43793	0.1549	?
7	10.963	BB	0.1686	26.60905	0.1620	?
8	11.530	BB	0.1917	1.52491e4	92.8352	Mometasone Furoate Imp D

Sample Name: GR-2-045

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
9	12.635	BB	0.1888	18.26868	0.1112	?
10	13.788	BB	0.2147	34.74850	0.2115	?
11	15.224	BB	0.2560	834.84991	5.0825	?
12	19.043	BB	0.2291	30.38054	0.1850	?

Totals : 1.64260e4

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*** End of Report ***