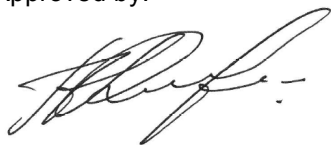


Name: 4',4''-O,O-Dimethylcurcumin
Lot#: GR-13-213
Test Date: 07/24/2019 (re-test date: 07/24/2024)
CAS No.: 52328-98-0, 160096-59-3
MF: C₂₃H₂₄O₆
MW: 396.44
Appearance: Yellow Solid
Purity: 99.4% by HPLC;
¹H-NMR: Conforms
MS-ESI (+) Conforms (shows peaks at m/z = 397.15 [M+H]⁺, 419.13 [M+Na]⁺)

Approved by:

Date: 07/24/2019



Viorica Rusu, QC/QA Manager

7.58
7.55
7.33
7.25
7.24
7.00
6.99
6.82
6.80

6.09

3.81
3.79

3.31

2.48

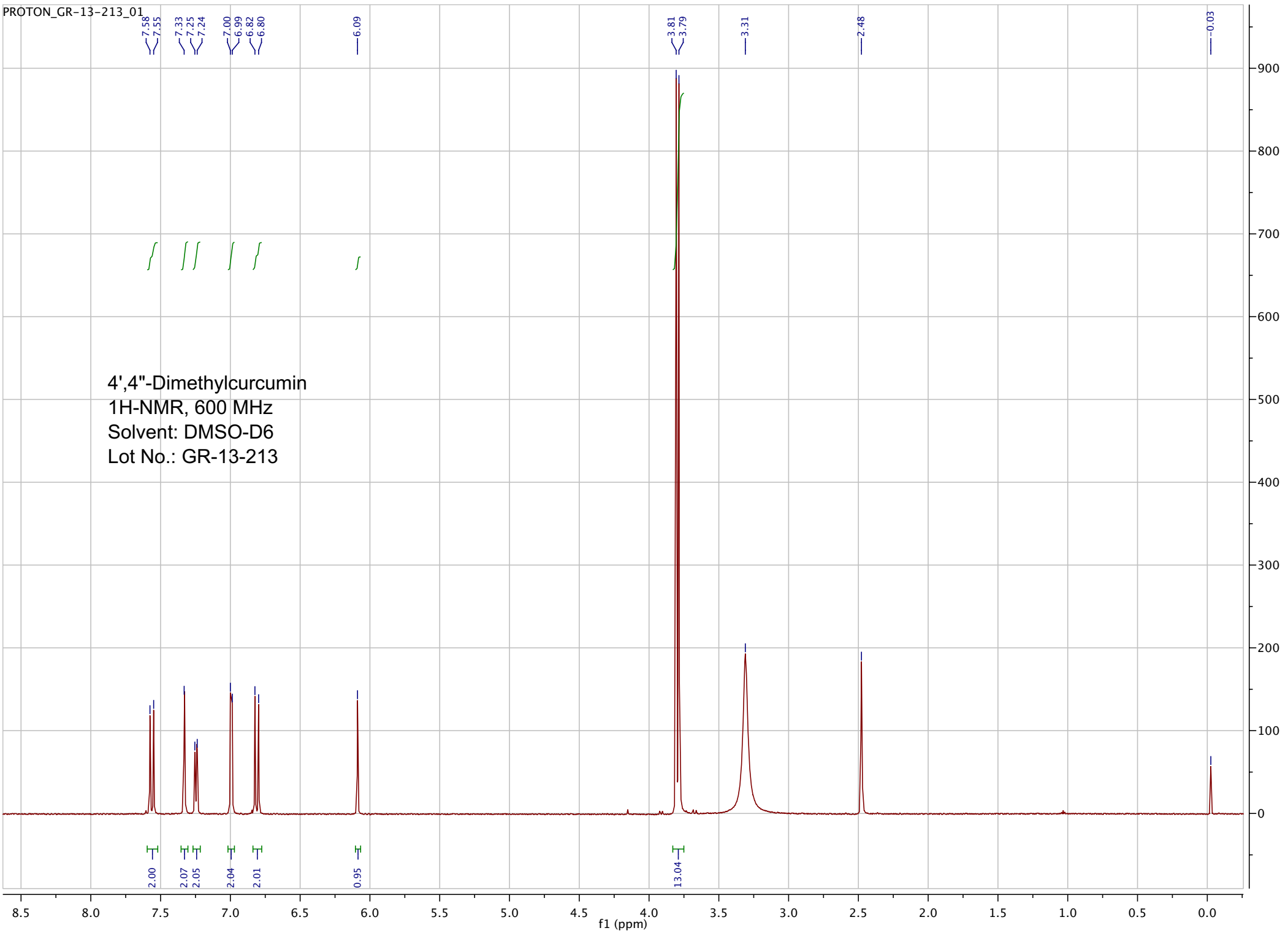
-0.03

4',4"-Dimethylcurcumin
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-13-213

2.00
2.07
2.05
2.04
2.01

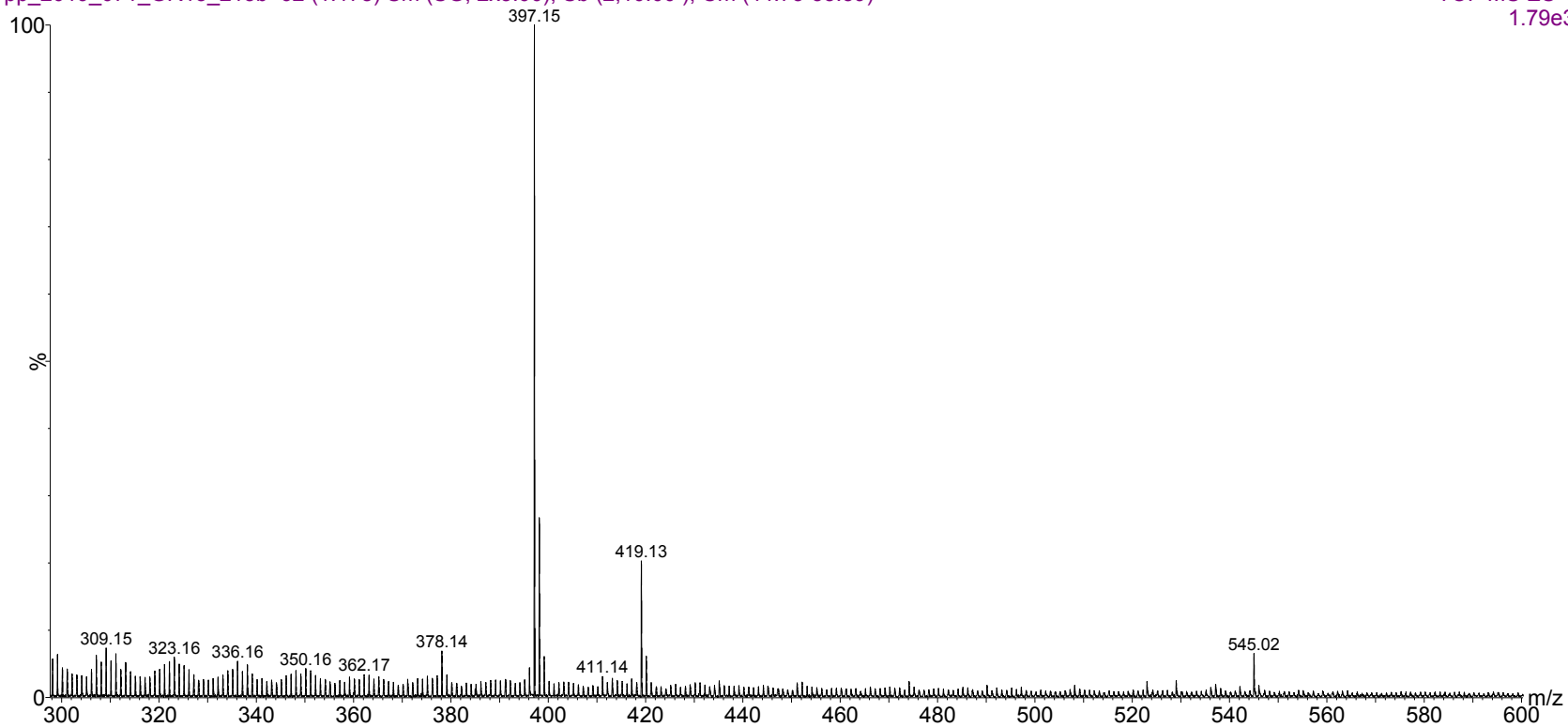
0.95

13.04



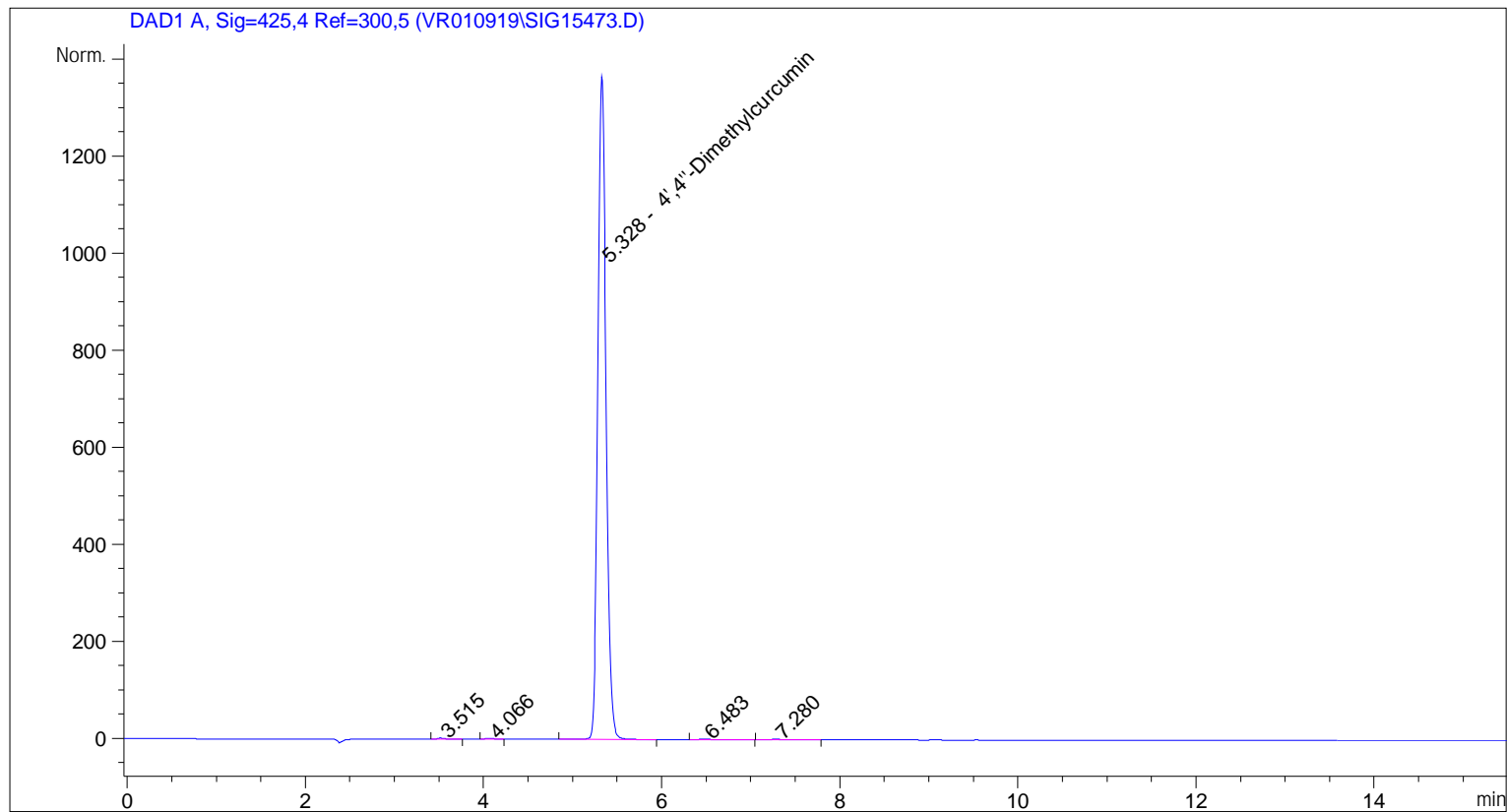
11-Jul-2019, 12:11:06
TOF MS ES+
1.79e3

pp_2019_071_GR13_213b 62 (1.178) Sm (SG, 2x5.00); Sb (2,10.00); Cm (44:73-33:39)



ESI-MS spectrum for sample GR-13-213. Shows monoisotopic $[M+H]^+$ mass.

=====
Acq. Operator : vrusu
Acq. Instrument : Instrument 1 Location : Vial 75
Injection Date : 7/24/2019 10:00:12 AM Inj Volume : 3.0 µl
Acq. Method : C:\CHEM32\1\METHODS\VR072419_213.M
Last changed : 7/24/2019 9:58:49 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR072419_213PM.M
Last changed : 7/24/2019 10:44:30 AM by vrusu



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

Sorted By : Signal
Calib. Data Modified : 7/24/2019 10:44:04 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=425,4 Ref=300,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.515	BB	0.0902	15.97342	0.1816	?
2	4.066	BB	0.0828	10.39151	0.1182	?
3	5.328	BB	0.0986	8741.69531	99.3975	4',4''-Dimethylcurcumin
4	6.483	BB	0.1191	14.28499	0.1624	?
5	7.280	BB	0.1385	12.33419	0.1402	?

Totals : 8794.67943

=====

*** End of Report ***