



CERTIFICATE OF ANALYSIS

Product Name	Peptide Substrate for HIV-1 Protease		
Molecular Formula	$C_{45}H_{76}N_{14}O_{12}$	Cat#	6881
Molecular Weight	1005.17	Lot#	150103
Manufacturing Date	03/10/2015	Test Date	03/10/2015
Sequence	H-Arg-Lys-Ile-Leu-Phe(NO ₂)-Leu-Asp-Gly-NH ₂		
Item No.	6881_150103		
TEST		SPECIFICATION	RESULT
1	Appearance	White or slightly yellowish	Complies
2	Molecular Weight	1005.17±2.0	1004.8
3	Peptide Purity (By HPLC)	≥80%	99.2%
4	Identification(Amino Acid Composition by HPLC)	D	1.2
		G	1.3
		R	0.8
		K	0.8
		I	1.1
		L	1.7
		F	1.2
5	Peptide content	63.9%	

Quality Control By: wangjun

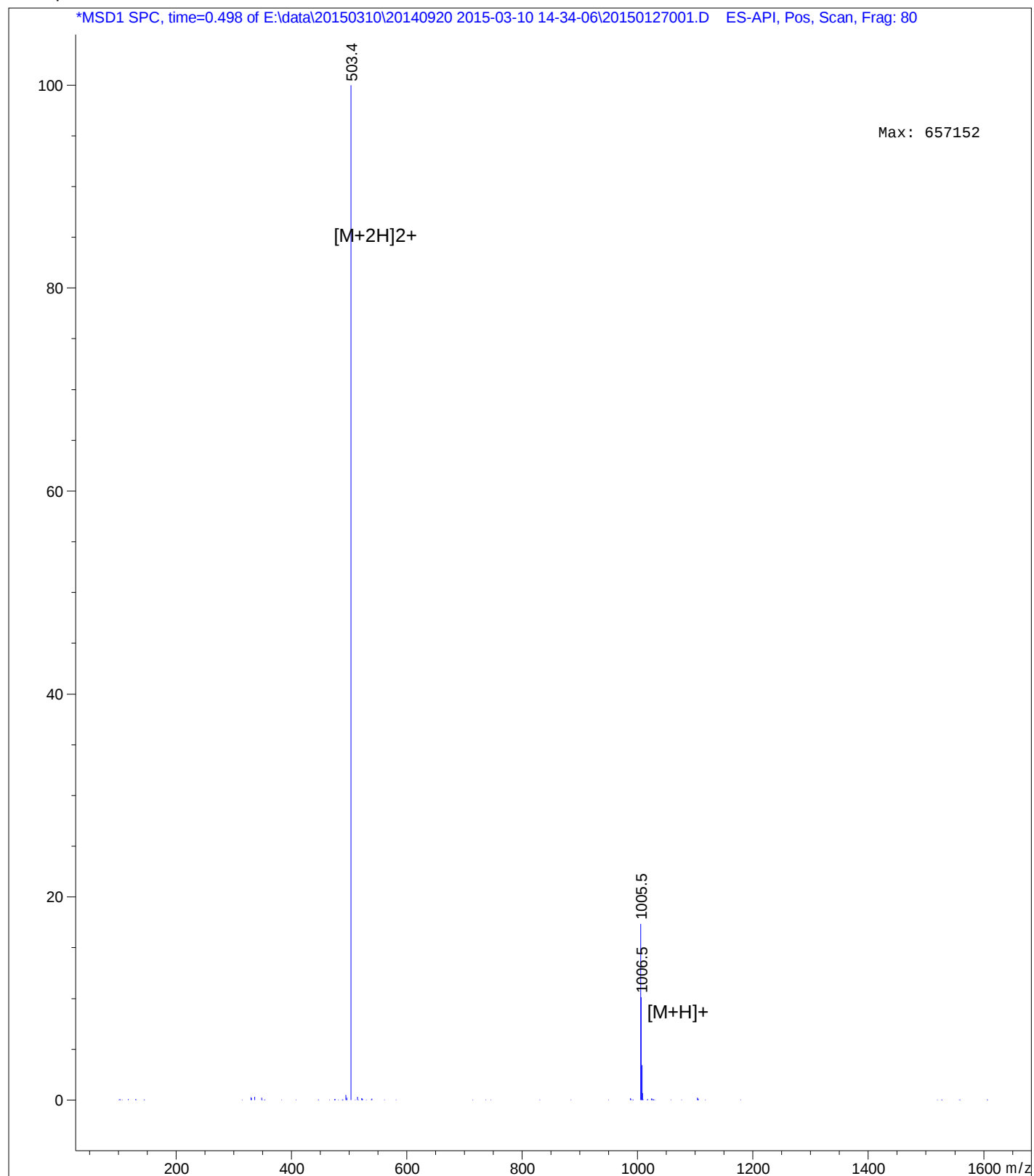
Date: 03/20/2015

Data File : E:\data\20150310\20140920 2015-03-10 14-34-06\20150127001.D

Sample Name : #6881_15005

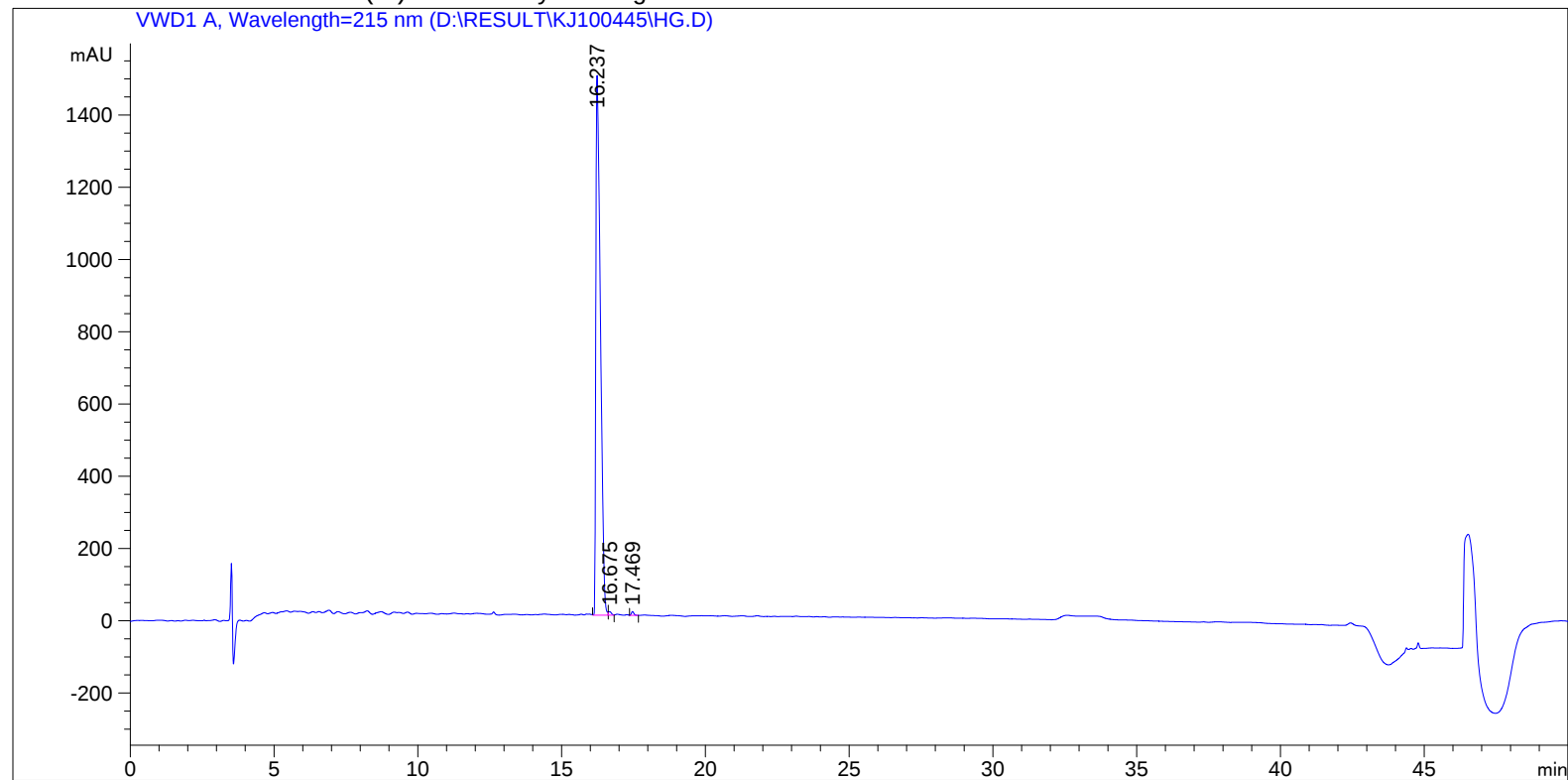
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=====
Acq. Operator   : SYSTEM                      Seq. Line :    1
Acq. Instrument : Agilent6120                 Location  :   21
Injection Date  : 3/10/2015 2:36:26 PM        Inj       :    1
                                           Inj Volume: 5.000 µl
Method         : E:\data\20150310\20140920 2015-03-10 14-34-06\LCMS+.M (Sequence Method)
Last changed    : 3/10/2015 2:34:06 PM by SYSTEM
=====
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MS Spectrum



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=====
Acq. Operator   :
Acq. Instrument : Instrument 1          Location : Vial 1
Injection Date  : 3/5/2015 3:03:29 PM
                                           Inj Volume : Manually
Acq. Method     : E:\METHODS\10-70IN50MIN.M\10-70IN50MIN.M
Last changed    : 3/5/2015 2:05:50 PM
Analysis Method : C:\CHEM32\1\METHODS\KJ100401.M
Last changed    : 3/16/2015 3:55:20 PM by SYSTEM
                  (modified after loading)
Method Info     : Column:Agilent HC-C18, 5um, 4.6*250mm      Column Temp:35°C      Flow
                  Rate:1.0ml/min
                  Mobile Phase A:0.1%TFA+H2O
                  Mobile Phase B:0.1%TFA+ACN
                  time(min)      0      40      40.3      43      43.3      50
                  B%             10     70     95      95      10      10
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Additional Info : Peak(s) manually integrated



Area Percent Report

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Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
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Signal 1: VWD1 A, Wavelength=215 nm

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	16.237	MF	0.1827	1.64501e4	1500.44507	99.2286
2	16.675	FM	0.1161	67.82056	9.73219	0.4091
3	17.469	BB	0.0965	60.06371	10.22794	0.3623

Sample Name: #6881_15005

Totals : 1.65780e4 1520.40520

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*** End of Report ***