CERTIFICATE OF ANALYSIS

Product Name:	*SpheriCal® Neat Peptide Low Range*
Product Number:	PFS-20
Batch Number:	PF2035
CAS Number:	N/A, Dendritic Calibrants (PFS1A, PFS1B, PFS1C, PFS1D)
Contains (molar %):	Dendritic Calibrants: PFS1A (25 %) PFS1B (25 %) PFS1C (25 %) PFS1D (25 %) May contain low molecular weight residues
Formula:	$C_{41}H_{48}O_{12}$, PFS1A $C_{53}H_{60}O_{16}$, PFS1B $C_{65}H_{72}O_{20}$, PFS1C $C_{82}H_{94}O_{25}$, PFS1D
Molecular Weight (Da):	732.81, PFS1A 953.03, PFS1B 1173.26, PFS1C 1479.61, PFS1D
Production Date:	JAN 2019
Latest Quality Control Date:	JAN 2019

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	OFF-WHITE OR TRANSPARENT	TRANSPARENT
APPEARANCE (FORM)	POWDER OR SOLID	SOLID
STRUCTURAL PURITY (MALDI*%)	≥ 98.0 %	OK
MALDI SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
ERROR PFS1A (MALDI*)	≤ 10 ppm	OK
ERROR PFS1B (MALDI*)	≤ 10 ppm	OK
ERROR PFS1C (MALDI*)	≤ 10 ppm	OK
ERROR PFS1D (MALDI*)	≤ 10 ppm	OK

**MALDI-TOF analysis was performed with a Bruker Ultraflex in reflector mode. Sample spots were prepared from THF solvent*

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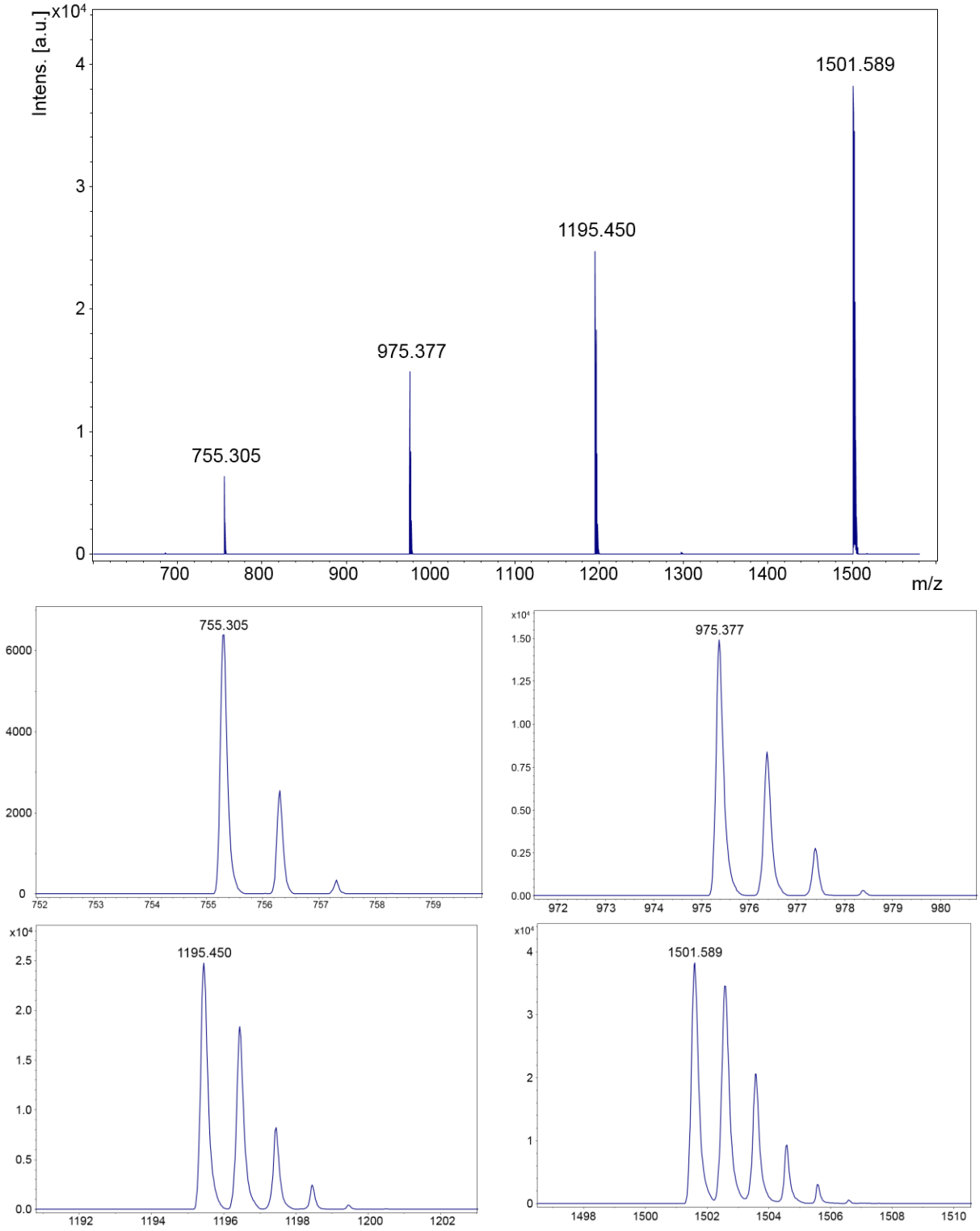
SpheriCal® 500-1,600 (Na adduct), monoisotopic masses:

755.304346 Da, 975.377905 Da, 1195.45146 Da, 1501.59819 Da



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