

## CERTIFICATE OF ANALYSIS

Product Name:	<i>SpheriCal Aqua Peptide Low Range</i>
Product Number:	PFS-30
Batch Number:	PFSC46
CAS Number:	N/A
Contains (molar %):	Dendritic Calibrants: PFQ1A (25%) PFQ1B (25%) PFQ1C (25%) PFQ1D (25%) May contain low molecular weight residues
Formula:	C <sub>20</sub> H <sub>36</sub> O <sub>12</sub> , PFQ1A C <sub>25</sub> H <sub>44</sub> O <sub>16</sub> , PFQ1B C <sub>30</sub> H <sub>52</sub> O <sub>20</sub> , PFQ1C C <sub>40</sub> H <sub>70</sub> O <sub>25</sub> , PFQ1D
Molecular Weight (Da):	468.49, PFQ1A 600.61, PFQ1B 732.72, PFQ1C 950.97, PFQ1D
Production Date:	NOV 2013
Latest Quality Control Date:	DEC 2014

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	TRANSPARENT or WHITE	TRANSPARENT
APPEARANCE (FORM)	POWDER or SOLID	SOLID
STRUCTURAL PURITY (MALDI*%)	≥ 98.0 %	OK
MALDI SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
ERROR PFQ1A (MALDI*)	≤ 10 ppm	OK
ERROR PFQ1B (MALDI*)	≤ 10 ppm	OK
ERROR PFQ1C (MALDI*)	≤ 10 ppm	OK
ERROR PFQ1D (MALDI*)	≤ 10 ppm	OK

*\*MALDI-TOF analysis was performed with a Bruker Ultraflex*

SpheriCal Aqua Peptide Low Range (500-1000 Da)

