

CERTIFICATE OF ANALYSIS

Product Name: *SpheriCal Aqua Peptide Medium Range*
Product Number: PFS-31
Batch Number: PFSC47

CAS Number: N/A

Contains (molar %): Dendritic Calibrants:
 PFQ2A (25%)
 PFQ2B (25%)
 PFQ2C (25%)
 PFQ2D (25%)
 May contain low molecular weight residues

Formula: C₅₀H₈₄O₃₀, PFQ2A
 C₆₅H₁₀₈O₄₀, PFQ2B
 C₈₀H₁₃₂O₅₀, PFQ2C
 C₁₀₀H₁₆₆O₆₁, PFQ2D

Molecular Weight (Da): 1165.18, PFQ2A
 1529.53, PFQ2B
 1893.87, PFQ2C
 2344,35, PFQ2D

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 PFQ2A (MALDI*)	≤ 10 ppm	OK
ERROR PFQ2B (MALDI*)	≤ 10 ppm	OK
ERROR PFQ2C (MALDI*)	≤ 10 ppm	OK
ERROR PFQ2D (MALDI*)	≤ 10 ppm	OK

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

SpheriCal Aqua Peptide Medium Range (1000-2500 Da)

