

CERTIFICATE OF ANALYSIS



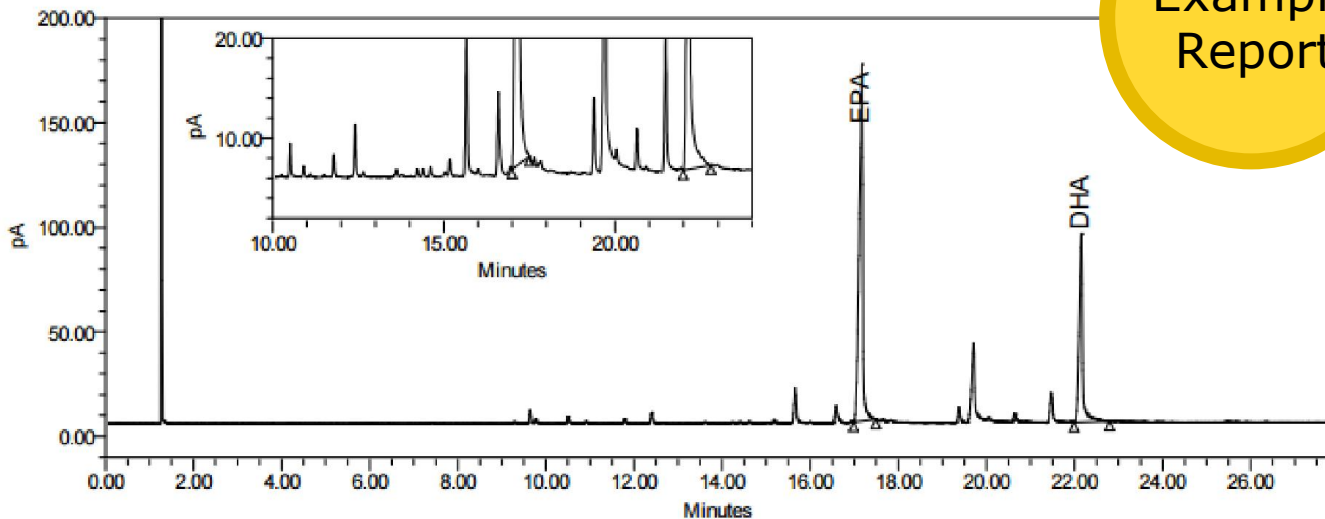
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Report Issued To: Dietary Supplement Company
1234 Main Street
Los Angeles, CA 90000

Sample Name: Fish Oil
Description: Crude Fish Oil
Lot #: ABCDEFG
AL #: 12345
Analysis ID: 42021
Received: 01/01/16



Determination of EPA and DHA Content by GC-FID



Ret. Time (min)	Compound Name	Amount (%)	Amount (mg/serving)	Specification	Result
17.0	Eicosapentaenoic Acid (EPA)	59.90	3392	NLT 3000 mg	Pass
22.0	Docosahexaenoic Acid (DHA)	36.45	2064	NLT 1050 mg	Pass
11.7 – 21.4	Total Other Omega 3's	5.01	284	n/a	n/a

Chromatographic Conditions:

Method: GOED – Voluntary Monograph V.3 – Assay (EPA and DHA)
Column: CP-Wax 52 CB, 25 m x 0.25 mm x 0.2 µm
Carrier Gas: H₂
Split Ratio: 200:1
Injection Volume: 1 µL
Injector Temp: 250° C
Detector Temp: 270° C
GC Instrument: GC_1

Sample Preparation:

Evaporated 2.0 mL sample to dryness at 45°C under nitrogen. Added 1.5 mL 20 g/L sodium hydroxide, stored under nitrogen gas and heated in water bath at 80°C for 7 minutes. Cooled to 45°C and added 2.0 mL boron trichloride in methanol, stored under nitrogen, heated in water bath at 80°C for 30 minutes and cooled to 45°C. Added 1.0 mL trimethylpentane, shook for 30 seconds and added 5.0 mL sodium chloride, stored under nitrogen and shook 15 seconds. Transferred 800 µL to test tube, added 1.0 mL water, shook and added 1.0 mL water. Let layers separate and added 100 mg sodium sulfate, shook 30 second, let layers separate and transferred top layer to GC vial for analysis.

Report Summary:

Conclusion: This "Fish Oil" sample contains 3392 mg EPA, 2064 mg DHA and 284 mg other omega 3 fatty acids per serving.
OOS Reference: N/A
Notes: Serving Size: 5662 mg/serving
Notebook Reference: AB999 p. 9

Analysis Date : 01/10/2016 Analyzed By: J Lindberg

**Authorized By: Holly E. Johnson, Ph.D.,
Laboratory Director**

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