MARINE OILS

Eurofins QTA provides a unique solution based on patented technologies to deliver the performance of infrared analyses with years of experience. This total solution employs FTIR technology for fast, convenient, and accurate analysis of a wide range of marine products and materials. Fish oil producers have adopted and relied on EQTA methods to produce quality marine oil products since year 2010.

EQTA Advantages:

- Extensive database
- Accuracy and precision are monitored and maintained constantly
- Hassle-free implemenation
- Fast– less than 2 minute analysis
- Ease of operation

Trait	Range (Area %)	EQTA Error of Prediction (Area %)	
		For high level values (> 20%)	For low level values (< 20%)
DHA	0.4 - 78.7	0.4	0.2
EPA	5.3 - 51.8	0.6	0.3
Total Omega 3	0.8 - 77.1	0.7	0.4
Monoglycerides	0.5 - 14.0	n/a	0.9
Diglycerides	0.1 - 50.0	0.9	0.5
Triglycerides	0.1 – 68.2	0.9	0.5
Ethyl Ester	0.1 - 99.5	1.2	0.4
Oligomer	0.1 - 0.6	n/a	0.1

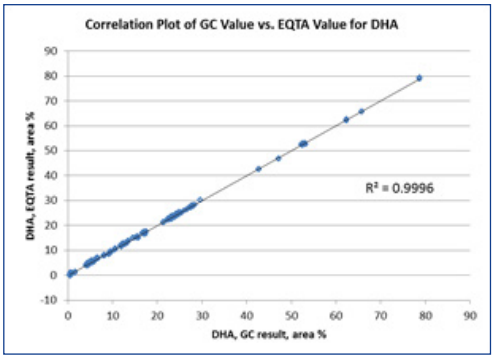
Reliability:
EQTA methods are developed with the most extensive samples and data . A well-defined process is applied to update the QTA algorithms on a continual basis, offering an unprecedented robustness and reliability of algorithms over time.

Consistency:
EQTA algorithms use proprietary methods developed by expert chemometricians. The EQTA patented "Chingometrics" allow the same algorithm to be used by multiple instruments at multiple locations without the constant need for slope/bias adjustment. In this way, performance is consistent across labs at multiple sites.

Hassle-free implementation:
The QTA instruments are configured for marine oil analysis and can be readily implemented at any location. This real time system is connected to the QTA central server. Performance is monitored with 24/7 technical support.

EQTA Can Analyze:

- Fish oil (Natural oil, Ethyl esters & Triglycerides)
- Krill oil
- Algae oil
- Marine oil/plant oil blends
- Marine protein hydrolysates
- Fish meal
- And more!



In the correlation plot above, GC area % values for DHA are plotted on the x-axis. The EQTA predicted values are plotted on the y-axis. There is very strong correlation, indicating that the EQTA result is a very good match to the GC value.

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