

Scope of Analysis – Marine Oils (Bulk/Softgels)

Code	Title	Method	Matrix
Titration			
PV1	Peroxide Value	Ph. Eur. 2.5.5, Method A	EE/TG/FFA
PV2	Peroxide Value (JP)	JP Monograph Ethyl Icosapentate	EPA965EE
AV1	Acid Value	USP <401>, Method I	EE/TG/FFA
AV2	Acid Value (JP)	JP Monograph Ethyl Icosapentate Method: <1.13>	EPA965EE
IV1	Iodine Value	USP <401>, Method I Hanus Method	EE/TG/FFA
SV1	Saponification Value	USP <401>	EE/TG
EV1	Ester Value	USP <401>	EE/FFA
WC1	Water Content (coul. Karl Fischer)	Ph.Eur. 2.5.32	EE
UV / FTIR Analytics			
ANV1	Anisidine Value	Ph. Eur. 2.5.36 / USP <401>	EE/TG/FFA
ABS1	Absorption	Ph. Eur. Omega-3 Acid Ethyl Esters 90 / USP Omega-3-Acid Ethyl Esters Monograph	EE/TG/FFA
IDENT_EPA1	Identification of EPA-rich Oils (FTIR)	Ph. Eur 2.2.24	EE/TG/FFA
GC Analytics			
FAC1*	Fatty Acid Composition Ethyl Esters, Free Fatty Acids (GC-FID)	Inhouse Method (based on Ph. Eur. and USP)	EE/FFA
FAC2*	Fatty Acid Composition Glycerides(GC-FID)	Inhouse Method (based on Ph. Eur. and USP)	TG
FAC3*	Fatty Acid Composition Ethyl Esters, Free Fatty Acids (GC-FID)	USP <401>	EE/FFA
FAC4*	Fatty Acid Composition Ethyl Esters, Glycerides (GC-FID)	Ph.Eur. 2.4.29	EE/TG
FAC5*	Fatty Acid Composition Ethyl Esters, Glycerides in Capsules (GC-FID)	USP < Omega-3Acid Ethyl Esters Capsules >	EE/TG
FAC6	GC Analysis Icosapent Ethyl (JP)	JP Monograph Ethyl Icosapentate	EPA965EE
CHO1	Cholesterol Content in Oils (GC-FID)	USP Omega-3-Acid Ethyl Esters Monograph	EE
EC	Ethylcarbamate Content in Oils (GC-MS)	Inhouse Method	EE/TG/FFA
* Analysis to choose: 1) EPA/DHA/Omega-3 2) Fullspectrum 3) Individual Fatty Acid			
HPLC Analytics			
VIT_E1	Vitamin E (alpha) Content in Oils (HPLC-UV)	Inhouse Method	EE/FFA
VIT_E2	Vitamin E (mixed) Content in Oils (HPLC-UV)	Inhouse Method	EE/FFA
O1	Oligomers	Ph. Eur. Omega-3-Acid Ethyl Esters 90/ USP, Omega-3-Acid Ethyl Esters	EE/TG/FFA
O2	Oligomers and partial Glycerides	Ph. Eur. Omega-3-Acid Ethyl Esters 60/ USP, Omega-3-Acid Ethyl Esters	EE/TG/FFA
O3	Oligomers, Triglycerides, Ethyl Esters and Free Fatty Acids	Ph. Eur. Omega-3-Acid Triglycerides	EE/TG/FFA
Other Physical Analytics			
SNS1	Determination of Solubility and Sensory Properties	USP-NF Description and Relative Solubility	EE/TG/FFA
SNS2	Determination of Solubility and Sensory Properties (JP)	JP Monograph Ethyl Icosapentate	EPA965EE
RE1	Refractive Index	Ph.Eur 2.2.6	EE/TG/FFA
CO1	Cold Test	mod. AOCS Method Cc 11-53	EE/TG/FFA
TOT	TOTOX	USP <401>	EE/TG/FFA