

Bulk Capsules
Certificate of Analysis

Product Name: 40/20 EE 1065mg Fish Oil Capsules

DSM Lot #: 3654810

Product/Document Code #: 4020B1065.02/111001

Manufacture Date: 19-Jul-2014

Expiration Date: 19-Jul-2017

DSM Product Number: 5015223

ANALYSIS	SPECIFICATIONS	RESULTS
Free Fatty Acid (as % Oleic)	Max. 1.5%	0.7
Acid Value	Max. 3.0 mg of KOH/g	1.4
p-Anisidine Value	Max. 20	8
Peroxide Value	Max. 5 meq/kg	3
Appearance	Clear yellow oil, characteristic of fish oil	Pass
Colour	Gardener Colour Max. 6	5
Moisture	Max. 0.1%	0.1
Totox Number	Max. 26	14
Disintegration	Max. 30 minutes	4
Fatty Acid Profile		
EPA (%)	Min. 40	42
DHA (%)	Min. 20	22
EPA mg/g (expressed as EE)	Min. 420 mg/capsule	430
EPA mg/g (expressed as FFA)	Min. 380 mg/capsule	390
DHA mg/g (expressed as EE)	Min. 210 mg/capsule	220
DHA mg/g (expressed as FFA)	Min. 190 mg/capsule	200
Omega 3 (%)	Min. 60	75
Omega 3 mg/g (expressed as EE)	Min. 630 mg/capsule	750
Antioxidants		
"IP" Mixed Natural Tocopherols	Minimum 2 mg/g	Pass
Fill Weight		
Average fill weight	959-1172 mg/capsule	1131 mg/capsule
Microbiological Tests (as per Encapsulator)		
Total Count	Max. 3000 CFU/g	<10
Yeast/Mold	Max. 300 CFU/g	<10
Pseudomonas	Negative	Negative
Salmonella	Negative	Negative
S. aureus	Negative	Negative
E. coli	Negative	Negative
Coliforms	Max. 10 MPN/g or CFU/g	<10
Contaminant Data (based on input oil)*		
Dioxins & Furans (PCDDs and PCDFs)	Max. 1.0 pg WHO-PCDD/FTEQ/g	Compliant
Dioxin-Like PCBs**	Max. 2 pg WHO-Dioxin Like PCBs-TEQ/g	Compliant
Sum Dioxins & Furans + Dioxin Like PCBs	Max. 3.0 pg WHO-PCDD/F + Dioxin Like PCBs-TEQ/g	Compliant
PAHs: Benzo(a)pyrene	Max. 1 ppb (µg/kg)	Compliant
PAH 4***	Max. 10 ppb (µg/kg)	Compliant
Total PCBs (209 congeners)****	Max. 0.02 ppm (mg/kg)	Compliant
Arsenic	<0.1 ppm (mg/kg)	Compliant
Lead	<0.05 ppm (mg/kg)	Compliant
Cadmium	<0.01 ppm (mg/kg)	Compliant
Mercury	<0.005 ppm (mg/kg)	Compliant
Strontium (Canada only)	Max. 0.5 ppm (mg/kg)	Compliant

*Results for contaminants may be expressed as either compliant/non compliant (based on Master Batch Testing) or as actual results.

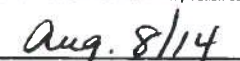
**Sum of IUPAC No. 81, 77, 126, 169, 106, 114, 118, 123, 166, 157, 167 and 169.

***PAH 4: Sum of Benzo(a)pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene and Chrysene.

****Total PCBs (209 congeners): Sum of IUPAC No. 1 - 209.

DSM Nutritional Products (DNP) complies with the GDED Voluntary Monograph with respect to the purity of its products. The product described in this document will be delivered with PCB levels as specified and may be made into consumer products with recommended dosages resulting in consumption of up to 4.4 grams of fish oil per day without triggering PCB-related warning obligations. If offered for sale in California, consumer products made with the product described in this document having recommended daily dosages containing higher amounts of fish oil per day or which are combined with products containing higher levels of PCBs may be subject to claims under that state's Safe Drinking Water and Toxic Enforcement Act of 1986 ("Proposition 65") unless the consumer product manufacturer labels such products with clear and reasonable Proposition 65 warnings.


Quality Control Manager (or delegate)


Date

101 Research Drive, Dartmouth, N.S., Canada B2Y 4T6
Telephone (902) 480-3200 Fax (902) 480-3199