

Fish Oil Standards/Testing Limits From Leading Organizations & Experts

Key: mEq = milliequivalents ng = nanogram pg = picogram μ g = microgram TE = toxic equivalent KOH= acid value	3Care Therapeutics	CRN1 Internationally Recognized Purity Standards	GOED2 Omega-3 Trade Association Standards (per CRN Stds.)	IFOS3 Nutrasource/NDI 3rd-Party Testing (per CRN Stds.)	WHO4 World Health Organization Standards	PROP 655 Safe Harbor (NSRLs), California Standards	EP6 European Pharmacopeia Standard
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ENVIRONMENTAL TOXIN LIMITS

PCB's	PASS	<90 ppb	<90 ppb	<90 ppb	N/A	0.09 μ g/d = < 0.09 ppm = 90 ng = 90 ppb	N/A
Dioxins/Furans	PASS	<2pg/g= (2ppt)	<2pg/g= (2ppt)	< 2 pg/g = \2 ppt)	< 2 pg/g = (2 ppt) or < 2 pg \TE(WHO)/ **	N/A	N/A
Dioxin-like PCB's Non-ortho & Mono-ortho	PASS	< 3 pg/g = (3 ppt) or < 3 pg TE(WHO)/g	< 3 pg/g = (3 ppt) or < 3 pg TE(WHO)/g	< 3 pg/g = (3 ppt) or < 3 pg TE(WHO)/g	< 2 pg/g = (2 ppt) or < 2 pg \TE(WHO)/ **	N/A	N/A

OXIDATION LIMITS

Peroxide Value (PV)	PASS	<5mEq/kg	<5mEq/kg	<5mEq/kg	N/A	N/A	< 10 mEq/kg
Anisidine (AV)	PASS	< 20 mEq/kg	< 20 mEq/kg	< 20 mEq/kg	N/A	N/A	< 30 mEq/kg
Total Oxidation (TOTOX)	PASS	< 26 mEq/kg	< 26 mEq/kg	< 26 mEq/kg	N/A	N/A	<50 mEq/kg
Acid Value	PASS	< 3.0 mg KOH/g	< 3.0 mg KOH/g	< 3.0 mg KOH/g	N/A	N/A	< 3.0 mEq/kg

HEAVY METAL LIMITS

Mercury	PASS	< 0.1 ppm	< 0.1 ppm	< 0.1 ppm	N/A	N/A	N/A
Lead	PASS	< 0.1 ppm	< 0.1 ppm	< 0.1 ppm	N/A	<15 ppm/ 15 μ g/d =	N/A
Arsenic	PASS	< 0.1 ppm	< 0.1 ppm	< 0.1 ppm	N/A	<10 ppm/ 15 μ g/d =	N/A
Cadmium	PASS	< 0.1 ppm	< 0.1 ppm	< 0.1 ppm	N/A	<4.1 ppm/ 4.1 μ g/d =	N/A

1 CRN <http://www.crnusa.org/pdfs/O3FINALMONOGRAPHdoc.pdf>

2 GOED <http://www.goedomega3.com/portals/0/public/GOEDMonograph.pdf>

3 IFOS <http://www.ifosprogram.com/IFOS/FAQ.aspx> IFOS is an international program that uses the WHO and CRN standards, which are internationally recognized bodies in every country where omega-3 products are sold as the standards for purity. Approved AOCS, USP, CRN, WHO, AACC, and/or AOAC methodologies are used wherever appropriate.

4 **UK / [http://docs.google.com/viewer?a=v\4 &q=cache:XP5CQETWCdcJ:cot.food.gov.uk/pdfs/cot-diox-full.pdf+tollerable+intake+pcb&hl=en&gl=us &sig=AHIEtbSFM3Q9yu6JpKb7sN5JP0Vetx_6uA](http://docs.google.com/viewer?a=v\4&q=cache:XP5CQETWCdcJ:cot.food.gov.uk/pdfs/cot-diox-full.pdf+tollerable+intake+pcb&hl=en&gl=us&sig=AHIEtbSFM3Q9yu6JpKb7sN5JP0Vetx_6uA) PCB 2001/2 pg WHO-TEQ/kg bw per day UK page 2080. We recommend that a tolerable daily intake of 2 pg WHO-TEQ/kg bw per day is established, based on effects on the developing male reproductive system mediated via the maternal body burden.

5 Prop 65 http://www.oehha.ca.gov/prop65/law/pdf_zip/RegsSet1rev52901.pdf 1986
http://www.oehha.org/prop65/policy_procedure/pdf_zip/SafeHarborProcess.pdf Safe Harbor Laws NSRL (no significant risk levels)

6 EP <http://online.pheur.org/entry.htm>