

COD LIVER OIL

BADGER INGREDIENTS INC & INGREDIENT LOGISTICS LLC



DESCRIPTION:

COD LIVER OIL FORTIFIED WITH SYNTHETIC VITAMINS A & D

PRODUCT SPECIFICATION:

PARAMETER	RANGE/LIMIT	UOM	TEST METHID
APPEARANCE AT 20°C	CLEAR OILY LIQUID		VISUAL
COLOR	PALE YELLOW		VISUAL
ODOR	FISHY, BUT NOT RANCID		SENSORY
VITAMIN A PALMITATE	MIN 1100	iu/g	MTH-001
VITAMIN D3	MIN 110	iu/g	MTH-012
EPA (C 20:5), as TG	MIN 43	mg/g	MTH-016
DHA (C 22:6), as TG	MIN 43	mg/g	MTH-016
TOTAL OMEGA-3 as TG	MIN 174	mg/g	MTH-016
SPECIFIC GRAVITY (25°C)	0.918-0.927	g/mL	MTH-023
SAPONIFICATION VALUE	180-192	Mg KOH/g	MTH-009
UNSAAPONIFIABLE MATTER	MAX 1.3	%	MTH-017
ACID VALUE	MAX 1.0	ml 0.1N NaOH/2g	MTH-006
IODINE VALUE	145-180	g I/100g	MTH-010
PEROXIDE VALUE	MAX 10	Meq/kg	MTH-007
COLD TEST @ 0°C, MIN 3 HRS	CLEAR		MTH-014

Badger Ingredients Inc.

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SPECIES:

VARIOUS FROM THE GADUS GENUS

*** Non-destearinated Cod Liver Oil – in a mixture of water and ice for 3 hours, Oil remains clear and does not deposit stearin.**

CONTAMINANTS	RANGE/LIMIT	UOM	TEST METHOD
LEAD (Pb)	MAX 0.1	ppm	ICP-MS
INORGANIC ARSENIC (As)	MAX 0.1	ppm	ICP-MS
CADMIUM	MAX 0.1	ppm	ICP-MS
MERCURY (Hg)	MAX 0.1	ppm	ICP-MS
PCDD/PCDF (WHO-TEQ)	MAX 2.0	pg/g	MRGC/HRMS
PCB'S- sum of congeners 28, 52, 101, 118, 138, 153, and 180	MAX 0.09	ppm	HRGC/HRMS