INFY LIFE SCIENCE

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PRODUCT SPECIFICATION SHEET

COD LIVER OIL

Product Name	COD LIVER OIL	**Document No.**	INFY/SPEC/CLO/001
Chemical Form	Natural Triglyceride	**Revision No.**	00
Effective Date	27-Sep-2026	**Next Review Date**	26-Sep-2028

A. PHYSICAL & CHEMICAL PARAMETERS

S. No.	Test Parameter	Specification / Acceptance Criteria
1	Colour and Appearance	**Light Yellow Liquid**
2	Cold Test	**Clear after cooling at 0°C for 3 Hrs**
3	Identification by GC	**RTs of EPA and DHA peaks correspond to Standards**
4	Absorbance	**≤ 0.50 at 233 nm**
5	Refractive Index @ 25°C	**1.480 – 1.486**
6	Density wt/ml	**0.918 – 0.928**
7	Solubility	**Insoluble in water and partially soluble in alcohol**
8	Colour	**≤ 6 Gardner**
9	Acid Value	**≤ 5 mg KOH/g**
10	Peroxide Value	**≤ 10 meq/Kg**
11	Anisidine Value	**≤ 20.0**
12	Totox Value	**≤ 32.0**
13	Iodine Value	**150 – 180**
14	Saponification Value	**More than 120**
15	Unsaponifiable Matter	**< 1.5 %**
16	Oligomers	**≤ 1.0 %**
17	Moisture	**< 0.5 %**
18	Trans Fat	**< 1.0 %**

B. VITAMINS & FATTY ACID COMPOSITION

S. No.	Test Parameter	Specification / Acceptance Criteria
19	Vitamin A (IU/g)	**600 – 2500**
20	Vitamin D3 (IU/g)	**60 – 250**
21	Total Omega-3 (EPA + DHA)	**Not less than 17 %**
22	Eicosapentaenoic acid – EPA	**Not less than 08 %**
23	Docosahexaenoic acid – DHA	**Not less than 09 %**

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C. HEAVY METALS

S. No.	Test Parameter	Specification / Acceptance Criteria
24	Mercury (Hg)	**≤ 0.10 ppm**
25	Cadmium (Cd)	**≤ 0.10 ppm**
26	Lead (Pb)	**≤ 0.10 ppm**
27	Arsenic (As)	**≤ 0.10 ppm**

D. PESTICIDES AND POLLUTANTS

S. No.	Test Parameter	Specification / Acceptance Criteria
28	DDT	**≤ 0.05 ppm**
29	HCB	**≤ 0.05 ppm**
30	Lindane	**≤ 0.05 ppm**
31	PCBs	**≤ 0.05 ppm**
32	Dioxin-like PCBs	**≤ 3 pg/g**
33	PCDDs + PCDFs	**≤ 1 pg/g**
34	PCDDs + PCDFs + Dioxin-like PCBs	**≤ 3 pg/g**

E. MICROBIOLOGY

S. No.	Test Parameter	Specification / Acceptance Criteria
35	Total Bacterial Count	**≤ 500 cfu/g**
36	Yeast and Mould	**≤ 100 cfu/g**
37	E. coli	**Absent**

SPECIFICATION APPROVAL

	PREPARED BY	REVIEWED BY	APPROVED BY
Department	Quality Control	Quality Assurance	Head – Quality Assurance
Name			
Signature & Stamp		INFY LIFE SCIENCE SPECIFICATION APPROVED QUALITY ASSURANCE DEPT.	INFY LIFE SCIENCE AHMEDABAD
Date			

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