



DALIAN HANDOM CHEMICALS CO., LTD.

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RAW MATERIAL SPECIFICATION Refined Fish Oil 18/12EE

Test Item	Method Reference	Acceptance Criteria
Characters	Organoleptic	light yellow liquid, slight fish-like odour
Colour	Gardner	≤5.0 (GARDNER)
Fatty Acid Profile Eicosapentaenoic Acid (%) Docosahexaenoic Acid (%) Total Omega-3-Acids (%)	Ph. Eur. Method 2.4.29	NLT 18% NLT 12% NLT 33%
Acid Value	Ph. Eur. Method 2.5.1 (in 10 g of oil)	NMT 1.00 mg KOH/g
p-Anisidine Value	Ph. Eur. Method 2.5.36	NMT 20.00
Peroxide Value	Ph. Eur. Method 2.5.5	NMT 5.00 meq /kg
Moisture & Volatile	ISO 662:2016	NMT 0.10 %
Oil Insoluble Impurities	ISO 663:2017	NMT 0.10 %
TOTOX	Formula Calculation	NMT 26.00
Cold Test	Freezer	3hr. @ 0 °C
Iodine Value	Ph. Eur. Method 2.5.4	NLT 270.0 gI/100g
Metals & Non-metals Lead Arsenic Cadmium Mercury	USP<401>	NMT 0.1 mg/kg NMT 0.1 mg/kg NMT 0.1 mg/kg NMT 0.1 mg/kg
Environment Contaminants DDT DDD DDE HCB PCBs Dioxins	GC	NMT 0.05 mg/kg NMT 0.05 mg/kg NMT 0.05 mg/kg NMT 0.05 mg/kg NMT 0.09 mg/kg NMT 1.75 ng-TEQ/kg
Microbiological Test Total aerobic microbial count Yeast and mould count Salmonella Escherichia Coli Staphylococcus Aureus	USP<2021> USP<2021> USP<2022> USP<2022> USP<2022>	NMT 10 ³ CFU per g NMT 10 ² CFU per g Absent per 10 g Absent per 1 g Absent per 1 g
Shelf Life	24 months	
Storage	Light, air, and high temperature avoided	
Package	190kg net weight of product under purged nitrogen gas in an airtight food grade steel drum	