NORBIDAR

FISH OIL

OMEGA-3

High purity.
Safer.
Tailored specifications.



Safeguarding the health
of every generation.

ZHEJIANG NORBIDAR BIOMEDICINE CO., LTD.

Manufacturing excellence







TANK FARM

Built to pharmaceutical fine chemical standards, the Norbidar site is designed for food-grade Omega-3 production at scale.

10,000
TONS / YEAR
Annual fish oil processing capacity

33,000
m² factory area

60
USD million invested

Our site.

Site infrastructure

- Offices
- Four workshops
- Elevated & general warehouses
- Class A warehouses
- Utility building
- Central control room
- Class A tank farm
- Eco-center

PROCESS INNOVATION

Innovative Fish Oil Processing



SEPARATION & PURIFICATION TECHNOLOGY

China’s first combined high-efficiency continuous distillation technology for physical separation and purification of high-concentration fish oil (60-85%).

SAFETY

The physical separation process introduces no additional metal ions or ethyl carbamate.

CLARITY & PURITY

Clear appearance, Gardner colour ≤2 and high purity.

NITROGEN PROTECTION & LOW OXIDATION

Innovative processing technology efficiently reduces peroxide and anisidine values to support product safety. Food-grade liquid nitrogen of 99.999% purity protects raw materials, intermediates and fish oil throughout storage, processing and filling, helping minimise oxidation.

Peroxide values can be below the detection limit.

CLOSED TRANSFER & FILLING

Fully closed transfer and automated filling under high-purity nitrogen help preserve oil quality and stability. The innovative filling line prepares empty steel drums with 6 vacuum-evacuation cycles and 6 high-purity nitrogen purges. Nitrogen is also injected at the filling outlet to ensure product stability during storage.

A fully sealed system transfers drummed fish oil into storage tanks under high-purity nitrogen protection throughout the process, without increasing the peroxide value.

OMEGA-3 SPECIALIST

High-purity OMEGA-3

Specification		EPA	DHA
3624	EE	36%	24%
4015	EE	40%	15%
5020	EE	50%	20%
5025	EE	50%	25%
4030	EE	40%	30%
4530	EE	45%	30%
5525	EE	55%	25%
7005	EE	70%	5%
7010	EE	70%	10%
7505	EE	75%	5%
3045	EE	30%	45%
0570	EE	5%	70%
0175	EE	1%	75%
360240	EE	36%	24%
400200	EE	40%	20%
400300	EE	40%	30%
550200	EE	55%	20%

Custom specs available on request

OMEGA-3 SPECIALIST

EPA rich

Specification		EPA	DHA
7000	EE	70%	<0.5%
8000	EE	80%	<0.5%
8500	EE	85%	<0.5%

DHA rich

Specification		DHA	EPA
0070	EE	70%	<0.5%
0075	EE	75%	<0.5%
0080	EE	80%	<0.5%



ULTRA HIGH STANDARDS

Superior Performance

OXIDATION PARAMETERS	Unit	EU	USP	GOED	IFOS FIVE STAR	NORBIDAR OMEGAS
Peroxide Value	meq/Kg	<10	<10	<5	<5	**<1**
Anisidine Value	/	<20	<20	<20	<20	**<8**
TOTOX	/	NA	NA	<26	<19.5	**<10**
Acid Value	mg KOH/g	<2.0	<2.0	<3.0	<3.0	**<1.0**

ENVIRONMENTAL CONTAMINANTS	Unit	EU	USP	GOED	IFOS FIVE STAR	NORBIDAR OMEGAS
Arsenic (As)	mg/kg	<0.1	<0.1	<0.1	<0.1	**<0.1**
Lead (Pb)	mg/kg	<0.1	<0.1	<0.05	<0.1	**<0.08**
Mercury (Hg)	mg/kg	<0.1	<0.1	<0.1	<0.1	**<0.1**
Cadmium (Cd)	mg/kg	<0.1	<0.1	<0.1	<0.1	**<0.1**
Benzo[a]pyrene (B[a]P)	µg/kg	<2.0	NA	NA	NA	**<1.0**
Dioxin-like PCBs	pg/g	NA	NA	<3.0	<1.5	**<3.0**
PCDD+PCDF (Dioxins+Furans)	pg/g	<1.75	<2.0	<1.75	<1.0	**<1.0**
Dioxins+Furans+ Dioxin-like PCBs	pg/g	<6.0	<10.0	<3.0	NA	**<3.0**

Connect with Norbidar

info@norbidar.com

www.norbidar.com

+86 575 83122988

Qinghua Dong

Fish Oil Project Director

qinghua.dong@norbidar.com

+86 18905856358

Chuan Liu

International Trade Director

chuan.liu@norbidar.com

+86 15167527911

Zhejiang Norbidar Biomedicine Co., Ltd.

No.356, Luohuan Road, Shanhu Street, Shengzhou, Shaoxing City, Zhejiang Province, China

Certifications & memberships



Zhejiang Norbidar
Biomedicine Co., Ltd.

www.norbidar.com