



### **K-PURE3 rTG Ultra**

- rTG form of Omega-3 fish oil
- Min. 90% TG
- EE-free
- 50~90% total EPA and DHA

### **K-PURE3 TG**

- rTG form of Omega-3 fish oil
- Min. 80% TG
- 50~90% total EPA and DHA

### **K-PURE3 EE**

- EE form of Omega-3 fish oil
- 50~90% total EPA and DHA



**Superior Quality Omega-3 Fish Oil You Can Trust**

# **SupplySide<sup>®</sup> WEST**

27 – 28 September 2017, Las Vegas  
**Visit us at booth# G168**

# Who We Are

K Pharmtech Co., Ltd. is a Korean biotechnology company that develops and markets superior omega-3 fatty acids ingredients. We are passionate about omega-3 fish oil ingredients and the value of better health benefits they offer, anticipating trends and carving out in the omega-3 fish oil industries since our establishment. Our Omega-3 fish oil products are manufactured in an FDA registered and GMP certified facility.

We also constantly monitor the quality of our products during the whole production process by following the highest standards existing in the market and ensure that our technologies are continuously upgraded. K Pharmtech's state-of-the art laboratory located at our manufacturing facility allows us to conduct research and development of innovative products.

Based on its high technology, K Pharmtech is now taking a leap forward as a global leading omega-3 fish oil producer that creates value in life.

We keep maintaining our commitment to help people lead healthier lives through responsibly sourced and science-based omega-3 fish oil ingredients.

Jingab Kim

CEO/Chairman

# What We Do

## **Ingredients - We serve manufacturers various omega-3 fish oils**

K Pharmtech produces a variety of omega-3 fish oils, including our premium K-PURE3 rTG Ultra, which is manufactured in our state-of-the art plant. Our line of fish oil delivers nutritional benefits to your applications that range from dietary supplements to functional foods, infant nutrition, beverages and more. We can offer tailor-made omega-3 fish oils to specification if there are specific needs to be met for certain applications. Formulating with K-PURE3, you can be confident that your end application will meet your consumer's needs. K-PURE3 brings the value of better health benefits to your formulations and grows your business.

## **Customized Turnkey Solutions**

Our customized turnkey solutions are available in a variety of delivery forms depending on branded marketer's requirements. We sent ingredients to third-party manufacturers, where the emulsion, powder, softgel and capsule formulations are developed and then packaged, labeled.

# Our Products

We offer three product lines, and our products focus on the market segment for low and medium-concentrated omega-3 fatty acids. We offer our clients a variety of customized omega-3 products that are available in bulk. Our portfolios are offered as EE and rTG concentrates.

Product Name	Product No.	EPA %, DHA %
<b>K-PURE3 rTG Ultra</b> - rTG form of premium quality omega-3 concentrates with a minimum 90% triglycerides - EE-free - 50-90% total EPA and DHA	E33D22NTG	EPA 33%, DHA 22%
	E36D24NTG	EPA 36%, DHA 24%
	E40D20NTG	EPA 40%, DHA 20%
	E40D30NTG	EPA 40%, DHA 30%
	E50D20NTG	EPA 50%, DHA 20%
	E50D25NTG	EPA 50%, DHA 25%
	E10D55NTG	EPA 10%, DHA 55%
	E15D55NTG	EPA 15%, DHA 55%
	E10D70NTG	EPA 10%, DHA 70%
<b>K-PURE3 TG</b> - rTG form of omega-3 concentrates with a minimum 80% triglycerides - 50-90% total EPA and DHA	E33D22TG	EPA 33%, DHA 22%
	E36D24TG	EPA 36%, DHA 24%
	E40D20TG	EPA 40%, DHA 20%
	E40D30TG	EPA 40%, DHA 30%
	E50D20TG	EPA 50%, DHA 20%
	E50D25TG	EPA 50%, DHA 25%
	E10D55TG	EPA 10%, DHA 55%
	E15D55TG	EPA 15%, DHA 55%
	E10D70TG	EPA 10%, DHA 70%
<b>K-PURE3 EE</b> - Traditional EE form of omega-3 concentrates - 50-90% total EPA and DHA	E33D22EE	EPA 33%, DHA 22%
	E36D24EE	EPA 36%, DHA 24%
	E40D20EE	EPA 40%, DHA 20%
	E40D30EE	EPA 40%, DHA 30%
	E50D20EE	EPA 50%, DHA 20%
	E50D25EE	EPA 50%, DHA 25%
	E10D55EE	EPA 10%, DHA 55%
	E15D55EE	EPA 15%, DHA 55%
	E10D70EE	EPA 10%, DHA 70%

# Why K-PURE3 rTG Ultra

Utilizing our state-of-the art facilities, we are successfully producing an innovative omega-3 product 'K-PURE3 rTG Ultra'.

# 90+%

Contains 90+% triglycerides

# EE-free

TG form containing no EE

## Product Highlights

### K-PURE3 rTG Ultra

- rTG form of premium quality omega-3 FA **with a minimum 90% triglycerides**
- **EE-free**
- 50-90% total EPA and DHA
- Superior bioavailability

*“Most of the fish oil manufacturers convert just 60 – 65% of concentrated EE fish oil to TG state to be legally termed as TG, but we convert to TG up to 90% or higher.”*

## The closest to what is found naturally in fish

Unlike most omega-3 fish oils that contain no more than 60% TG, K-PURE3 rTG Ultra is containing 90+% triglycerides.

## Ethyl Ester-free

Ordinary rTG products contain particular levels of a mixture of EE, but K Pharmtech's high technology enables production of rTG form containing no Ethyl Ester.

*“K-PURE3 rTG Ultra product is manufactured using our high technology. Not only does our K-PURE3 rTG Ultra have raised the percentage of triglycerides, it is also EE-free.”*

# Points-of-difference

## What makes K-PURE3 unique product with meaningful points-of-difference?

### Quality Assurance

#### GMP/HACCP

K Pharmtech complies with the Good Manufacturing Practice (GMP, Certification No. 20170004) in the Republic of Korea, and our omega-3 ingredients are handled and processed under a HACCP.

#### IFOS certified

Our clean and naturally concentrated K-PURE3 received a FIVE out of FIVE Star IFOS rating.

### Quality Control

#### GOED

K Pharmtech maintains all our products to high standards developed under the GOED Omega-3 Voluntary Monograph. And as a proud member of GOED, we adhere to the strict quality standards in the GOED Voluntary Monograph and Code of Ethics. We are always prepared for our clients to audit our quality control standards.

#### Compliance with EU Pharmacopoeia, AOCS

K Pharmtech is maintaining compliance with industry standards in the EU Pharmacopoeia and AOCS.

### High Purity - Third Party Tested

Our products meet stringent international standards for heavy metals, PCBs, dioxins and other contaminants.

Component	Council for Responsible Nutrition (CRN)	EU Pharmacopoeia	Norwegian Medicinal Standard	Test Results	Method
Arsenic (ppb)	100	100	100	<100	KFSC (Korean Food Standards Codex)
Cadmium (ppb)	100	100	100	<100	
Mercury (ppb)	100	100	100	<100	
Lead (ppb)	100	100	100	<100	
Total PCBs (ppb)	90	N/A	N/A	<90	US EPA

### Non-GMO

Since our establishment, we have been committed to sourcing only non-GMO raw material.

### Protected Against Oxidation

Ultra-concentrated fish oils need extra protection against oxidation so we ensure our products are protected from air exposure. Refined and concentrated oils are stored in bulk using airtight containers, protected from light with an inert gas such as nitrogen. The antioxidant protection of vitamin E is added upon client request.

# Certifications/Memberships

A number of highly reputable organizations such as Global Organization for EPA and DHA Omega-3s (GOED), The International Fish Oil Standards (IFOS) have developed standards for fish oil products, and we are proud that we maintain all our products to these high standards to meet our client requirements.



## GOED

K Pharmtech maintains all our products to high standards developed under the omega-3 monographs in GOED Omega-3 Voluntary Monograph. And as a proud member of GOED, we adhere to the strict quality standards in the GOED Voluntary Monograph and Code of Ethics.



## IFOS - 5-Star Rating

K Pharmtech's K-Pure 3 is clean and naturally concentrated fish oil, containing purified omega-3 fatty acids EPA and DHA. This product received a FIVE out of FIVE Star IFOS rating from IFOS based on the following criteria:

- ★ Omega-3 Concentration Consistent with Label – YES
- ★ Passes IFOS Oxidation standards – YES
- ★ Passes IFOS PCB, PCDD/F standards – YES
- ★ Passes IFOS Heavy Metal standards – YES
- ★ Passes all IFOS testing categories – YES



## HACCP

K Pharmtech is registered as a HACCP compliance establishment producing the fisheries products to be exported into EU and China in accordance with Article 88, Clause 3 of Korea's Enforcement Regulations of the Agricultural Fishery Products quality management law.



## GMP registration

K Pharmtech complies with the Good Manufacturing Practice (Certification No. 20170004) in the Republic of Korea.



## FDA Registered facility

K Pharmtech is registered with U.S. Food and Drug Administration (U.S. FDA Registration No.: 19808103912) pursuant to the Federal Food Drug and Cosmetic Act, as amended by Bioterrorism Act of 2002 and the FDA Food Safety Modernization Act.

# Product Description

	Item	Specification	Method
<b>Typical Analysis</b>	Appearance	Clear liquid	Visual
	Odor	Very light fish odor	Sensory
	Concentration (GC Area %)	EPA not less than Area %	AOCS Ce 1b-89
		DHA not less than Area %	
		Total Omega-3 Area %	
	TG content	Minimum 80%	HPLC
	<b>rTG Ultra content</b>	<b>Min. 90% &amp; EE free</b>	
	Acid Value	Maximum 1.0 mg KOH/g	AOCS Cd 3d-63
	Peroxide Value	Maximum 5.0 meq/kg	AOCS Cd 8-53
	p-Anisidine	Maximum 20	AOCS Cd 18-90
TOTOX	Maximum 26	Calculation	
<b>Heavy Metals</b>	Lead (Pb)	Less than 0.1 ppm	KFSC
	Arsenic (As)	Less than 0.1 ppm	
	Mercury (Hg)	Less than 0.1 ppm	
	Cadmium (Cd)	Less than 0.1 ppm	
<b>PCB &amp; Dioxin</b>	PCBs*	Maximum 0.09mg/kg	US EPA
	PCDDs & PCDFs*	Maximum 1.75pg/g	
	Dioxin-like PCBs*	Maximum 3 pg/g	
	Total Dioxins, Furans & Dioxin-like PCBs *	Maximum 4 pg/g	
<b>Microbial</b>	Yeast & Moulds	Maximum 100 CFU/ml	KFSC
	Total aerobic plate count	Maximum 100 CFU/ml	
	E. coli	Negative	

- Shelf life: 24 months under room temperature condition
- Antioxidant: Natural vitamin E can be added upon client request
- Non-GMO: Our products do not contain any ingredients of Genetically Modified Organisms

\* Third-party testing is performed regularly by an independent laboratory and the latest result is updated on the Certificate of Analysis (COA)



Exceptional Quality You Can Trust

**K Pharmtech Co., Ltd.**

46027 36-11, Sandan 5-ro, Dalsan-ri, Jeonggwan-eup, Gijang-gun, Busan, Republic of Korea

Tel: +82-2-6390-2319

Fax: +82-2-6390-2554

Email: [sales@kpure3.com](mailto:sales@kpure3.com)

[www.kpure3.com](http://www.kpure3.com)