

Concentrated purity

High purity Incromega EPA, DPA and DHA omega 3 concentrates

How can you be sure you are obtaining the highest purity omega 3 lipids? Croda's **Incromega** range of high potency concentrates is manufactured with purity in mind from start to finish.

Every detail, from raw material sourcing to manufacturing and testing, has been meticulously refined. Only Croda's omega 3 concentrates are produced using **PureMax**, our proprietary triple molecular distillation process, so you and your customers can trust in the purity of **Incromega**.

- EPA, DPA and DHA concentrates of exceptional purity
- Minimal levels of environmental contaminants
- Surpasses every known industry purity standard
- Produced using **PureMax** technology
- Rigorous quality systems — ensuring consistently high standards



To find out how **Incromega** can benefit your customers, because purity matters, contact your nearest Croda division today.

Your essential lipid partner

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Purity from start to finish

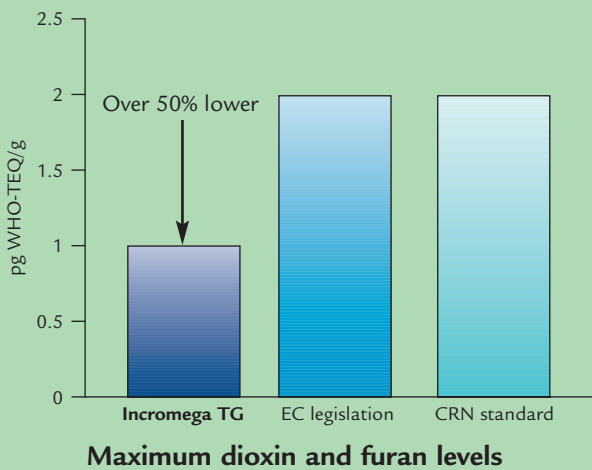
Consumer awareness of pollutants in fish has grown enormously. To ensure consumer confidence in Croda's high potency concentrates, every step – from the ocean to the final product – has a focus on purity.

Pure in, pure out

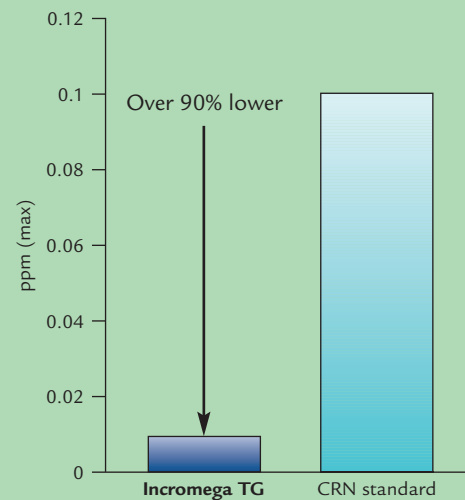
For all Incomomega omega 3 concentrates, the raw material is high quality food grade fish body oil. Body oil is naturally lower in environmental toxins than liver oils^a.

PureMax advanced technology

All Incomomega concentrates are manufactured using PureMax technology, Croda's proprietary process using a minimum of three purification and concentration steps. Manufacturing to GMP standards in our recently expanded facilities, PureMax selectively concentrates EPA, DPA and/or DHA and removes impurities.



Maximum dioxin and furan levels



Maximum mercury level

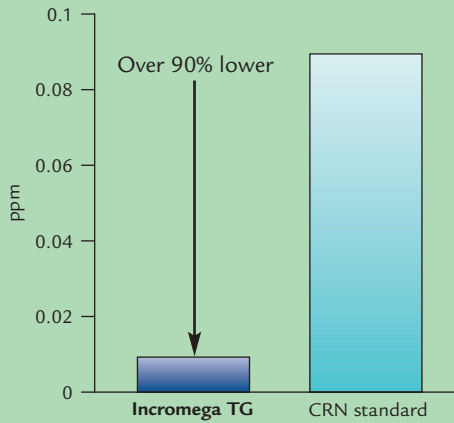
Pure quality

Croda's manufacturing expertise is backed up by rigorous quality systems, so you can be assured of consistent, high purity standards. Incomomega oils are manufactured to GMP standards and are quality tested to pharmacopoeial methods. For even greater confidence, every batch is supported by positive release and is certified.

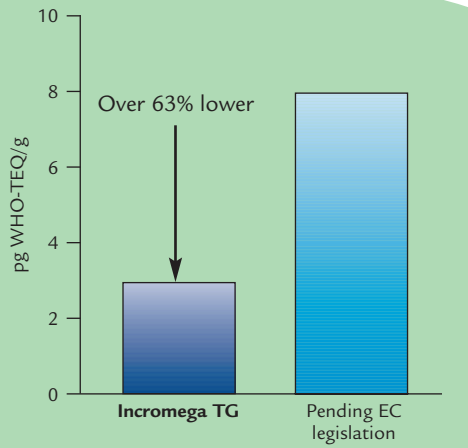
Surpassing standards

Small but regular doses of contaminants from persistent pollutants present in our environment can accumulate in the body and, with long term exposure, lead to a wide range of health problems^{b,c,d,e}.

To limit exposure to key pollutants, several authorities publish standards that set out safe levels, including EC (European commission) legislation^f and the CRN (Council for Responsible Nutrition) voluntary omega 3 monograph^g. All of Croda's purity standards for the Incomomega range comply with, or go further than these measures.



Maximum PCB level



Maximum dioxin-like PCB level

Confidence in Incromega

The results of Croda's technical and manufacturing expertise are purity levels that surpass industry standards. The Incromega TG triglyceride range, for example, offers the following purity benefits:

- Maximum dioxin and furan levels over 50% lower than EC and CRN standards
- Maximum PCB levels over 90% lower than CRN standard
- Maximum mercury levels over 90% lower than CRN standard
- Maximum dioxin-like PCBs specification already 63% lower than forthcoming EC standards

Croda is committed to further improving standards and to anticipating any future challenges. Our specifications already go further than the forthcoming revision of EC legislation regarding dioxin-like PCBs^h. Commitment and expertise ensure that Croda Health Care will continue to lead the way in purity.



		Purity Standard	Incromega TG
PCBs	ppm	0.09 ^g	0.009 (max)
Dioxins & furans	pg WHO-TEQ/g	2 ^{f,g}	1 (max)
Dioxin-like PCBs	pg WHO-TEQ/g	8 ^h	3 (max)
PAHs	ppb	2 ⁱ	2 (max)
Arsenic	ppm	0.1 ^f	0.1 (max)
Cadmium	ppm	0.1 ^f	0.1 (max)
Lead	ppm	0.1 ^f	0.1 (max)
Mercury	ppm	0.1 ^f	0.01 (max)

References

- a. Ministry of Agriculture, Fisheries and Food – MAFF (1999) Dioxins and PCBs in UK and imported marine fish. Food surveillance information sheet 184
- b. US Food and Drug Administration – FDA (March 2004) FDA and EPA Announce the Revised Consumer Advisory on Methyl Mercury in Fish. Center for Food Safety and Applied Nutrition – CFSAN
- c. US Environmental protection agency – EPA [online]. Health effects of PCBs. Available from:
<http://www.epa.gov/opptintr/pcb/pubs/effects.html> [Accessed 9th February 2006]
- d. World Health Organisation – WHO (June 1999) Dioxins and their effects on human health. Fact sheet no 225
- e. US Food and Drug Administration – FDA (February 1998) Dangers of Lead Still Linger. Center for Food Safety and Applied Nutrition – CFSAN
- f. European Commission – EC (March 2001) Setting maximum levels for certain contaminants in foodstuffs. Commission Regulation No 466/2001
- g. Council for Responsible Nutrition – CRN (September 2002) Voluntary monograph; omega-3 DHA, omega-3 EPA, omega-3 DHA & EPA
- h. European Commission – EC (February 2006) Amending regulation (EC) No 466/2001 Setting maximum levels for certain contaminants in foodstuffs as regards dioxins and dioxin-like PCBs Commission Regulation No 199/2006
- i. European Commission – EC (February 2005) Amending regulation (EC) No 466/2001 as regards polycyclic aromatic hydrocarbons Commission Regulation No 199/2006

Non-warranty

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