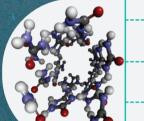


VIVO MEGA Tase the difference

TRANS-ESTERFICATION

DISTILLATION



UP CONCENTRATION BY UREA FRACTIONATION (Extraction of ---- Agricultural Saturated Fats)

EE CONCENTRATE + ETHANOL

ETHANOL RECOVERY

PLATINUM TG CONCENTRATES



VIVOMEGATM

PLATINUM 5025 TG Premium 5525 TG Premium 6020 TG Premium 8000 TG Premium

EPA mg/g DHA mg/g 250 250 200

- MINIMUM 800mg OMEGA-3 TOTAL
- SAME EXCEPTIONAL QUALITY UTILISING HIGH END TECHNOLOGY PLATFORM

500

550

600

800

- PHYSICAL PROCESS
- NO CHEMICAL REAGENTS
- REPURPOSED SIDE STREAMS - UREA APPROVED FERTILISER
- CLEAN SEPARATION OF FATTY ACIDS
- MOVING TOWARDS ZERO CARBON FOOTPRINT

劉明 BRAIN UNE IFART PREGNANCY PORTS rea

A product by GC RIEBER

SUPERIOR PERFORMANCE AGAINST ALL INTERNATIONALLY RECOGNISED QUALITY SPECIFICATIONS

	VivoMega Specifications (max)	Best in Class	IFOS 5 Star Criteria	GOED Monograph	EU legislation/ Ph Eur
OXIDATION PARAMETERS	TG				
Peroxide value (meq/kg)	2	\checkmark	5	5	10
Anisidine value	8*	\checkmark	20	20	30
Totox	10*	\checkmark	19.5	26	N/A
Acid Value (mg KOH/g)	1	\checkmark	3.0	N/A	3.0
ENVIRONMENTAL PARAMETERS					
Arsenic (mg/kg)	0.1	NEUTRAL	0.1	0.1	N/A
Cadmium (mg/kg)	0.002	\checkmark	0.1	0.1	1
Mercury (mg/kg)	0.002	\checkmark	0.1	0.1	0.1
Lead (mg/kg)	0.003	\checkmark	0.1	0.05	0.1
PCBs (209 Congeners) (mg/kg)	0.005	\checkmark	0.045	0.09	0.2
Dioxins+Furans (PCDD+PCDF) (pg/g)	1	NEUTRAL	1	1.75	1.75
Dioxins-like PCBs (pg/g)	0.5	\checkmark	1.5	3	N/A
Dioxins+Furans+Dioxin-like PCBs (pg/g)	1.5	\checkmark	N/A	3	6
Sum PAH4 (ng/g)	2	\checkmark	N/A	N/A	10
Benzo(a)pyrene (ng/g)	1	\checkmark	N/A	N/A	2
Pesticides (mg/kg)	0.01	\checkmark	N/A	N/A	N/A

* Platinum products has a standard specification maximum for Anisidine value of 10 and Totox 12, awaiting stability studies results.

QUALITY ASSURED

GC Rieber VivoMega AS established quality system is certified compliant to all applicable laws, regulations and relevant guidelines for manufacturing, controlling and distributing of Omega-3 fish oil products for human consumption. This certification ensure compliance throughout our global distribution network. GC Rieber VivoMega AS is NSF Certified according to Guideline 229 for Dietary Ingredients and has an established HACCP system in place. In addition to this GC Rieber VivoMega is certified according to ISO9001:2015 and has Halal certification. All quality related activities are documented and traceable through the company's quality system.



VIVOMEGA.COM

GLOBAL CONTACT:		
Asia Pacific:	peter.hamilton@gcrieber.com / simon.riise@gcrieber.com	
Europe:	stale.softing@gcrieber.com / karete.rolfsen@gcrieber.com	
North America:	olejohan.nekstad@gcrieber.com / christopher.hachey@gcrieber.com	

VivoMega™ Platinum now includes Urea Technology

Urea crystallizes in the presence of Saturated Fatty Acids into a hexagonal structure known as the Urea Tunnel. The physical formation of these crystals effectively filters out Saturated Fatty Acids while up-concentrating the remaining Omega-3 fatty acids.



Energy Management - Zero CO2 Footprint

GC Rieber VivoMega' state-of-the-art production facilities continually monitors and maintains a Zero CO2 Footprint for all of its manufacturing operations. CO2 emissions are measured as CO2 content per kg or kWh according to emission standard from Greenhouse Gas Protocol. GC Rieber VivoMega has installed energy reclaiming systems on its biggest consumption unit. The Norwegian State has supported GC Rieber VivoMega in establishing a system where surplus energy from the main manufacturing plant is used in heating fish oil storage tanks.

GC Rieber VivoMega Energy Management System is running according to ISO 50001:2011. The company's Energy Conservation Team headed by the CEO is meeting regularly to follow up and make improvements. GC Rieber VivoMega also operates according to a zero waste manufacturing philosophy for all production side streams being re-purposed to minimize waste from the processing of fish oil crude into Omega-3 concentrates.

Largest rTG Omega3 concentrate production capacity Globally

Located in Kristiansund, Norway, GC Rieber VivoMega has continually invested in their state-of-the-art production facilities. Improvements to the proprietary technologies and capabilities have gradually increased the capacity to meet the growing global demand for marine derived Omega-3 fish oil concentrates.

GC Rieber VivoMega Omega-3 rTG fish oil production capacity, based on GOED published industry production data is considered to be the largest rTG production capacity globally. Couple this capacity with GC Rieber VivoMega largest newly refurbed tank farm for human grade fish oil in Europe gives GC Rieber VivoMega a unique competitive advantage to ensure continual uninterrupted supply to our global customer base.



