Structurally Designed **Omega-3**

Ruby-O® is powered by BPL-O3™, a bonded phospholipid omega-3 architecture that connects EPA and DHA to phospholipids instead of simply blending them together. This intentional lipid design creates a versatile platform for enhanced delivery, cellular incorporation and customizable formulations.

ruby-O®
Next-Gen Enhanced Omega-3.

This enables:

Enhanced Delivery
Membrane-mimetic structure supports uptake at the cellular level

Designed For Incorporation
EPA and DHA are carried as part of the phospholipid structure, not simply added alongside it

Customizable Lipid Formulations.
Tune EPA:DHA ratios, phospholipid classes and complementary actives around the intended benefit

Ruby-O® Formulation	Total PL (mg/g)	LPC (mg/g)	LPS (mg/g)	EPA (mg/g)	DHA (mg/g)	EPA+DHA (mg/g)	Other Bioactives / Differentiators	Delivery Format
NeuroGate™	300	130	-	-	400	400	Astaxanthin 300 µg	All
NeuroGate™ AX	220	60	40	-	380	380	Astaxanthin 6 mg	Softgel
Cardio Balance™	400	-	-	160	110	270	Astaxanthin 300 µg	All
Cardio Core	300	130	-	273	229	502	Astaxanthin 300 µg	Softgel
CardiQ™	270	-	-	245.7	229	474.7	Coenzyme Q10 100 mg, Astaxanthin 300 µg	Softgel
BeyondKrill™ X2	300	130	-	250	200	450	EPA/DHA-bonded PL 120 mg, Astaxanthin 300 µg	Softgel
Restore	300	85	50	250	100	350	Astaxanthin 300 µg	Softgel
MenoBalance	200	-	70	260	100	360	PS 70 mg, Astaxanthin 300 µg	Softgel
Materna	300	140	-	-	450	450	Mixed tocopherols 300 µg	All
LuminO™	240	100	-	-	320	320	Lutein 20 mg, Zeaxanthin 4 mg	All
LuminO™ AX	225	90	-	-	300	300	Lutein 20 mg, Zeaxanthin 4 mg, Astaxanthin 6 mg	All
CellSync	300	-	-	220	170	390	Alpha-Lipoic Acid 100 mg	Softgel

scan me!

Built For **What's Next**

Ruby-O® is a flexible lipid platform that allows brands to design omega-3 around the benefit they want to deliver. Choose the EPA and DHA profile, incorporate complementary actives and create differentiated products across multiple formats.

One platform. More ways to build what's possible.

NEXT-GEN INNOVATIONS

BeyondKrill™ X2

High-Strength EPA+DHA Formula

Beyond Krill represents a new generation of phospholipid omega-3 formulations designed to go beyond the natural limitations of krill oil.

This high-strength formulation delivers 450 mg of EPA+DHA, twice the omega-3 concentration of conventional krill oil, with more phospholipids bonded to EPA+DHA, in a 100% shellfish-free formulation.

A market-ready Phospholipid Omega-3 system powered by Ruby-O®



Total EPA +DHA:	450 mg
Total EPA:	250 mg
Total DHA:	200 mg
Total Phospholipids:	300 mg
Phospholipids Bonded to EPA + DHA:	120 mg* (Higher than krill oil)

*Bonded phospholipids determined by internal analytical methods based on chromatography and NMR.



From fish to algae oils, to **next-generation of enhanced omega-3s**, our portfolio is designed for precision, performance and flexibility.

Smart Lipids Portfolio	Product EPA/DHA	Type	EPA	DHA	Total Omega-3	Applications					
			mg/g	mg/g	mg/g						
Refined Fish Oil	18/12	TG	160	100	300				✓	✓	✓
essenti omega® Essential lipids for everyday wellness. **Medium Concentrates Fish Oil** (500-699 mg/g)	30/20	EE & TG	265	170	500	✓	✓	✓	✓	✓	✓
	33/22	EE	300	200	600				✓	✓	✓
	34/24	TG	300	200	600				✓	✓	✓
	35/25	EE	320	220	600				✓	✓	✓
	35/30	EE	300	250	600	✓	✓	✓	✓	✓	✓
	10/50	EE & TG	80	450	600	✓	✓	✓			
	12/50	TG	100	468	630	✓	✓	✓			
	150/500	EE	150	500	700	✓	✓	✓			
	10/56	TG	115	500	615	✓	✓	✓			
	8/60	EE & TG	60	510	650	✓	✓	✓			
	FFA 58%	FFA	35*	23*	68*					✓	✓
	TG 60%	TG	-	-	600	✓	✓	✓	✓	✓	✓
	TG 70%	TG	-	-	700	✓	✓	✓	✓	✓	✓
	460/180	EE & TG	460	180	680				✓	✓	✓
	360/240	EE & TG	360	240	680				✓	✓	✓
	40/20	EE & TG	380	170	600				✓	✓	✓
essenti omega nova Exceptional Purity. Advanced Performance. Powered By senses **Premium High Concentrates Fish Oil** (>700 mg/g)	400/300	EE & TG	400	300	800				✓	✓	✓
	40/30	EE & TG	350	260	680				✓	✓	✓
	500/200	EE & TG	500	200	750				✓	✓	✓
	500/250	EE & TG	500	250	800				✓	✓	✓
	550/250	EE	550	250	850				✓	✓	✓
	200/500	EE & TG	200	500	700	✓	✓	✓			
	EPA 700	EE & TG	700	-	715				✓	✓	✓
	DHA 700	EE & TG	-	700	710	✓	✓	✓			
algalis® Sustainably from nature. Perfected by science. **Refined and Concentrated Algae Oil**	Algae 400 DHA	TG	-	400	-	✓	✓	✓			
	Algae 500 DHA	TG	-	500	-	✓	✓	✓			
	Algae 600 DHA	TG	-	600	-	✓	✓	✓			
	Algae 700 DHA	TG	-	700	-	✓	✓	✓			
	Algae 800 DHA	TG	-	800	-	✓	✓	✓			
megaPet® Lipids for Pet Vitality.	18/12	TG	160	100	300				✓	✓	✓
	FFA 58%	FFA	35*	23*	68*					✓	✓

***Results in Units A%**
TG = triglycerides; EE = Ethyl Esters; FFA = Free Fatty Acids

PRENATAL VISION BRAIN SPORTS HEART INFLAMMATION

Our concentrates are fully customizable, with flexibility across purity levels, EPA/DHA ratios, and delivery formats. EssentiOmega™ Nova powered by Senses™ is currently available in ethyl ester form, with triglyceride formats in development.

naturmega® Smart lipids. Trusted science. Global impact.

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Scan for more information:
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