

MVS OMEGA 3 – Technical Summary

A science-based Omega-3 system for maximum bioavailability and oxidative stability.

1. Why Oxidation Matters

Oxidation is the primary factor responsible for the degradation of Omega-3 fatty acids. As oxidation progresses, bioavailability decreases, leading to reduced efficacy even before visible signs appear. Many Omega-3 products lose potency during storage or after opening due to light, heat, and oxygen exposure.

2. Our Solution: Total Oxidation Protection

We use a comprehensive system to protect Omega-3 from oxidative degradation. Our approach includes:

- ✓ Argon shielding during extraction, storage, filling, and packaging
- ✓ Totox value maintained at 4 throughout the product lifecycle
- ✓ Double-sealed, light- and air-protected final packaging
- ✓ Ultra-thin capsules with minimal exposure risk after opening

3. Why Re-Triglycerides (rTG)?

Most conventional Omega-3s use ethyl ester (EE) forms, which are chemically altered and absorbed less efficiently. MVS Omega 3 delivers 92% Omega-3 in re-triglyceride (rTG) form, mimicking the structure found in nature. This significantly improves absorption and metabolic utilization.

4. Totox Value: A Measure of Freshness

Totox (Total Oxidation Value) is the gold standard to assess the freshness and oxidative stability of Omega-3 oil. Our product is independently tested to ensure a Totox value of 4 – from production to final consumption. This is achieved through argon protection, antioxidant balancing, and cold-stable logistics.

5. Capsule Innovation

We use ultra-thin, crystal-clear softgels with a 10:1 content-to-shell ratio. Conventional capsules use 3:1 ratios and opaque gelatin materials of unclear origin. Our capsule is made from traceable raw materials, offers visual transparency, and does not require flavor masking.

6. Intelligent Packaging Design

Each unit is packaged in a double-layered, oxygen-impermeable blister or pouch with additional argon filling. Unlike PE/PP bottles, which are permeable and vulnerable after opening, our system ensures stability until the last capsule.

7. Technical Highlights

Parameter	Specification
Form	Re-triglyceride (rTG)
Active Omega-3	92%
Total per capsule	710 mg (EPA, DHA, DPA)
Totox Value	4 (stable)
Protection Atmosphere	Argon
Capsule Transparency	Yes (crystal clear)
Capsule Ratio	10:1 content: shell
Additives	None – no aroma, no masking agents
Packaging	Double-sealed, argon-filled, light-protected