



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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SPECIFICATION SHEET

OMEGA 3 90EE

With 0.2% Tocopherol

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
OM3KSL	2248	91051-05-7	August 20, 2010	MDS	No. 9	TJK

CHARACTERISTICS:	It is obtained from carefully selected fish oils previously checked on admissible low pesticide, PCB and heavy metal contamination. It is manufactured to close specifications ensuring a high degree of consistency via dense gas (CO ₂) extraction/chromatography. This worldwide patented, unique, technology guarantees a product absolutely free of any toxic organic solvent residues. Omega-3-90E is a long chain fatty acid, which is a colorless to slightly yellow, transparent liquid. It is slightly characteristic to fish in odor and taste. It is freely miscible with methanol, ethanol, acetone, diethyl ether, chloroform, hexane or cyclohexane and practically insoluble in water or ethylene glycol. It is free of saturated fats.
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SPECIFICATIONS:	Sum Omega 3 Acids	90% min 860 mg/g min
	Acid value (mg KOH/g)	2.0 max
	Anisidine value	10 max
	Peroxide value (meq/kg)	3 max
	Totox AV+(2xPOV)	16
	Density @ 20° C (kg/l)	~ 0.9
	Dioxine*	1.0 pg Teq/g max
	Dioxine-like PCB's	2.0 pg Teq/g max
	PCB's*	0.01 ppm max.
	Pesticides*	0.01 ppm max
	Heavy metals (Cd, Hg, Pb)*	0.1 ppm max
	* Analysis on raw material. meq/kg means milli-equivalents Oxygen per kg Teq are Toxic equivalents described by WHO	

PACKAGING:	25 kg or 190 kg stainless steel drum, sealed under argon
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APPLICATIONS:	May be used as an additive in a myriad of food applications to enhance these "every day foods". It is used in cosmetics to revitalize the skin, enhance cell membrane restoration and suppress dry skin. There have been many clinical studies showing its benefits in mental, cardiovascular and inflammatory diseases.
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OMEGA 3 90EE Specification (continued)

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ADVANTAGES:	<ol style="list-style-type: none">1) Because our product is a minimum 90% Omega Fatty Acid, usage levels can be 1/3 to 1/2 of competitive products to gain the same effect.2) Our Omega 6 content is less than 5% giving us a minimum ratio of 18:1 in favor of Omega 3's3) There are no saturated acids or cholesterol in our product.4) Produced from a patented, state of the art, solvent free process.5) Manufactured from edible fish that do not originate from endangered species.6) Obtained from carefully selected fish oils previously checked for low pesticide, PCB and heavy metal contamination, which originated from sardine and anchovy caught in the cold water streams of the South Atlantic and South Pacific oceans.7) Very low taste and odor profile.
SHELF LIFE AND STORAGE INSTRUCTIONS:	The retest-date is 2 years, but if stored correctly, it is stable for much longer. Storage should be in full, original sealed vessels, protected from light and oxygen. If it is opened, this must be done under inert gas protection (ideally argon). However if it was opened and then used later, we cannot guarantee the stability because we have no control over the handling after opening. Half-empty containers should not be used because the large amount of gas space in such a case could easily cause oxidation if the argon blanketing was not 100%.