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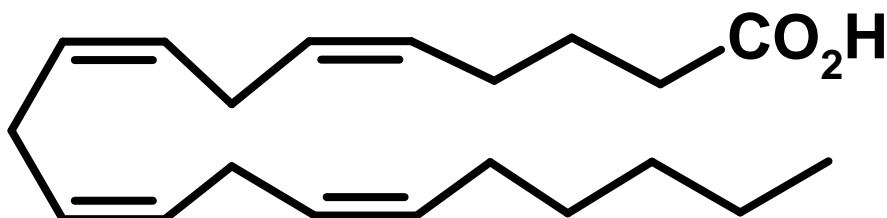
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Product Specifications

Arachidonic Acid, 10% (on Maltodextrin carrier)

CAS 506-32-1; 9050-36-6 (Maltodextrin)

Structure:



Mol. Formula
Source

$C_{20}H_{32}O_2$
Mortierella alpina

Mol. Wt.

304.47

<i>Test</i>	<i>Specification</i>
Appearance	Dry powder without caking or adhesion
Odor	Slight odor of ARACHIDONIC Acid
Color	Evenly distributed white to pale-yellow
Moisture (K-F)	< 5 %
Assay	
Arachidonic Acid	≥ 10 % (10.0 g/100g)
Hexadecanoic Acid, 16:0	0.3-1.5 %
Octadecanoic Acid, 18:0	< 0.3 %
Octadecenoic Acid, 18:1	< 0.5 %
Octadecadienoic Acid, 18:2	< 0.2 %
Peroxide value	< 5 meq/Kg
Free Fatty Acid	< 1.0 mg (KOH)/g
Lead	< 0.5 ppm
Arsenic	< 0.5 ppm

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<i>Test</i>	<i>Specification</i>
Mercury	< 0.2 ppm
Cadmium	< 0.2 ppm
Copper	< 0.1 ppm
Nitrate	< 100.0 ppm
Nitrite	< 100.0 ppm
Calcium	< 300 mg/g
Ash	≤ 0.5 %
Phosphorus	<150 mg/g
 <u>Microbiological Specification</u>	
Total Plate Count	< 100 CFU/g
<i>Coli form</i>	< 3.0 mpn/g
Mold	< 25 CFU/g
Yeast	< 25 CFU/g
<i>Enterobacter sakazakii</i>	Negative
Pathogens	Negative

Conclusion: This product is suitable for use in food products, including baby formula.

Packaging: Vacuum sealed aluminum container.

Storage: The product, in the sealed original packaging, should be stored in at 0 °C. Under these conditions, the shelf-life of Arachidonic Acid is 24 mo. Transportation and storage at ambient temperatures for short periods of time will not impact the shelf-life.