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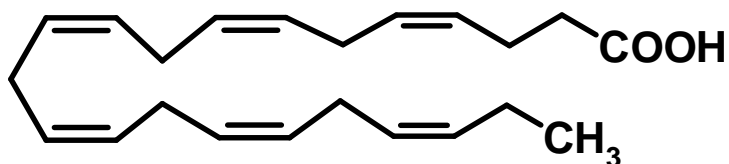
## Product Specifications

### **Docosahexaenoic Acid (Powder)**

**CAS** 6217-54-5

**Syn:** (all-*Z*)-4,7,10,13,16,19-Docosahexaenoic Acid, DHA

**Structure:**



**Mol. Formula**  
**Source**

**C<sub>22</sub>H<sub>32</sub>O<sub>2</sub>**  
*Cryptocodinium Cohnii*

**Mol. Wt.**

328.49

<i>Test</i>	<i>Specification</i>
<b>Identity</b>	IR
<b>Appearance</b>	White to light-yellow free-flowing powder
<b>Assay</b> Docosahexaenoic Acid	7-15 g/100g
<b>Peroxide Value</b>	< 5 meq/Kg
<b>trans-Fatty Acids</b>	< 0.5 %
<b>Free Fatty Acid</b>	< 1.0 mg (KOH)/g
<b>Lead</b>	< 0.5 ppm
<b>Arsenic</b>	< 0.5 ppm
<b>Copper</b>	< 0.2 ppm
<b>Mercury</b>	< 0.2 ppm
<b>Cadmium</b>	< 0.2 ppm
<b>Moisture</b>	≤ 5 %
<b>Protein</b>	≥ 3 %
<b>Calcium</b>	≤ 300 mg/g

- Cont'd -

- Cont'd -

<b><i>Test</i></b>	<b><i>Specification</i></b>
<b>Phosphorus</b>	≤ 150 mg/g
<b>Nitrate</b>	≤ 100 mg/Kg
<b>Nitrite</b>	≤ 5 mg/Kg
<b>Aflatoxin B1 or Aflatoxin M1</b>	< 1.3 µg/Kg
<b><u>Microbiological Specification</u></b>	
Total Plate Count	< 100 CFU/g
<i>E. Coli</i>	< 40 mpn/100g
<i>Enterobacter Sakazakii</i>	Absent
<i>Papathogenin Germ</i>	Absent
<b>Mold and Yeast</b>	< 25 CFU/g

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

**Storage:** The product, in the sealed original packaging, should be stored in at 0° to -10 °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.

**Stability:** The product is sensitive to air, heat and light and should be used as soon as possible after opening .