


**CERTIFICATE of ANALYSIS (COA)**
**AMARANTH SEED OIL – CO2 EXTRACT**

<b>COMMON NAME</b>	Amaranthus CO2
<b>LATIN NAME</b>	<i>Amaranthus Caudatus</i>
<b>COUNTRY OF ORIGIN</b>	India
<b>CULTIVATION METHOD</b>	Conventional
<b>TYPE</b>	CO2 Total Extract
<b>EXTRACTION METHOD</b>	Super Critical Fluid Extraction
<b>PLANT PART</b>	Dried seed
<b>APPLICATION</b>	Dietary Supplements, Cosmetics

<b>SKU</b>	
<b>LOT #</b>	
<b>MANUFACTURING DATE</b>	
<b>BEST BY DATE</b>	

<b>SPECIFICATIONS</b>	<b>Range</b>	<b>Value</b>
<b>SPECIFIC GRAVITY @20°C</b>	0.900 - 0.940	
<b>REFRACTIVE INDEX @20°C</b>	1.47	
<b>OPTICAL ROTATION @20°C</b>	NA	
<b>VISCOSITY</b>	115 -125 cSt at 20°C	
<b>SAPONIFICATION NUMBER</b>	170 +/- 35 mg KOH/g	
<b>MELTING POINT</b>	- 27°C	

<b>PHYSICAL APPEARANCE</b>	Clear Liquid Oil	Conforms
<b>COLOR</b>	Yellow - Gold	Conforms
<b>ODOR</b>	Retains the aroma of fresh Amaranth seeds	Conforms
<b>SOLUBILITY</b>	Soluble in alcohol and fixed oils	Conforms
<b>SPECIAL USE INSTRUCTIONS</b>		

<b>PRIMARY CONSTITUENTS</b>	Contains all CO2-soluble lipophilic components
-----------------------------	--

<b>COMPONENTS</b>	<b>RANGE %</b>	<b>%</b>	<b>COMPONENTS</b>	<b>RANGE %</b>	<b>%</b>
<b>Oleic acid (C18:1 w9)</b>	15-30		Plant Sterols	>2	
<b>Linoleic acid (C18:2 w6)</b>	40-50		Natural vitamins E	5-10 mg/100 g	
<b>Stearic acid (C18:1)</b>	2-5 %				
<b>Squalene</b>	5-8 %				
<b>* EU Allergen</b>					

<b>COMMENTS</b>	Excellent Absorption on Skin
-----------------	------------------------------

This CO2 Total Extract is an authentic natural product and does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to Nutraceutex. This product is guaranteed by Nutraceutex to be of excellent quality.

**Nutraceutex**

[www.nutraceutex.com](http://www.nutraceutex.com)

[info@nutraceutex.com](mailto:info@nutraceutex.com)