

Plantegrity™ Plant-based Softgel Technology

100% vegan capsule soft shell options:

- Plant-based, free from animal derivatives
- High heat and humidity resistance
- GMO free
- Gluten free
- Sugar free
- Neutral in taste and smell

CARRAGEEN & CORN STARCH

- Carrageen from sustainable red algae
- Sirio Pharma patented technology
- State-of-the art manufacturing sites in Germany and China

GELLAN GUM & CORN STARCH

- Gellan gum from naturally-fermented polysaccharide
- Reduced risk of cross-linking
- High oxidation barrier
- Proprietary technology of Sirio Pharma

NEW!

Especially suited for:

Plant-based oils

Plant oils, a selection	Omega-3/Omega-6 (modified according*)				Preferred Health Categories									
	DHA	ALA	LA	GLA										
Algae	██████████				●		●							●
Flaxeed/Linseed		██████████	██		●			●			●		●	
Hempseed		██	██████████			●		●	●					
Walnut		██	██████████		●			●	●		●			
Evening primrose			██████████	██				●	●	●				
Borage			██	██		●					●			●

Addition of fat-soluble vitamins (A, D, E, K)

Possible with:

- Calcium
- β-carotene
- Lutein

Shapes and sizes

- Oval: #3, #4, #6, #8, #10, #13, #15
- Oblong: #14, #16, #18, #20, #22, #24

*Other special shapes on request

Key benefits of **Plantegrity™** softgels

Key benefits

- High thermal stability
- Premium quality ingredients
- Fill protected from oxidation and degradation
- High bioavailability
- Excellent dose uniformity
- Neutral in taste and smell
- High compliance rate
- Easy to swallow

Manufactured in compliance with
c-GMP, IFS, BRC, FDA

For more information, please visit our website
<https://sirio-europe.com/>



About SIRIO:

SIRIO Pharma is a leading, global nutraceutical CDMO, specialized in developing and manufacturing best quality products including softgels, gummies, tablets, various probiotic dosage forms, functional beverages and many more.

SIRIO has been a pioneer in the development of vegetarian softgels, and was one of the first CDMOs to launch capsule shells made from carrageen. SIRIO continued to work on plant-based alternatives, which led to the new, proprietary gellan gum technology.

With over 18 international quality certifications we can offer product solutions for clients world-wide.

Excellence and innovation are driving us. Therefore, we keep investing in R&D, new technologies and services.

SIRIO in Europe always operates within the full understanding of the regulations of the EFSA.

1. Iciar Astiasarán, Diana Ansorena, Chapter 19 -Algal Oils, Gourmet and Health-Promoting Specialty Oils, 2009, 491-513.

2. Ansorena, D. and I. Astiasarán; Development of nutraceuticals containing marine algae oils, 2013.

3. Saini R.K. et al., Omega-3 and omega-6 polyunsaturated fatty acids: Dietary sources, metabolism, and significance –A review, Life Sciences 203 (2018) 255–267.

4. Punia S. et al., Omega 3-metabolism, absorption, bioavailability and health benefits–A review, PharmaNutrition 10 (2019) 100162.

5. Kiralan M. et al., Fatty acid composition of hempseed oils from different localities in Turkey, Spanish Journal of Agricultural Research 2010 8(2), 385-390.

6. Eskin M., Borage and evening primrose oil, Eur. J. Lipid Sci. Technol. 2008, 110, 651–654.

7. USDA National Nutrient Database for Standard Reference

SIRIO Europe GmbH & Co. KG

Am Hünengrab 20 | 16928 Pritzwalk, Germany | sirio.info@siriopharma.eu