



FrieslandCampina 

Ingredients

## product data sheet

### Vana<sup>®</sup>-Sana DHA 11A IF

Vana<sup>®</sup>-Sana DHA 11A IF is an encapsulated tuna oil high in DHA. The encapsulation gives the product its unique stability. The ingredients in the encapsulates have been carefully selected. Because the encapsulates are produced in a dedicated infant nutrition environment, they are a perfect source of DHA for infant formula.

#### Product characteristics

DHA is a fatty acid which is present in breast milk and is thought to play an important role in infant development.<sup>1</sup> Powdered infant formulas are often fortified with DHA (docosahexaenoic acid). Vana<sup>®</sup>-Sana DHA 11A IF is a microencapsulated tuna oil designed to fortify infant formula in a safe and efficient way. The tuna oil is a pure, refined fish oil, high in DHA. The oil is encapsulated in a matrix of carbohydrates and proteins, which protects the oil from oxidation. The resulting powder is free-flowing and has properties similar to those of infant formula. This means the powder can easily be added to infant formula by dry blending. Encapsulation protects the oil from oxidation before and after it is added, which enables the formula to be fortified with DHA without affecting production efficiency, sensorial quality or shelf life.

FrieslandCampina is a specialist in the encapsulation of nutritional lipids for infant nutrition. The unique combination of our premium quality products, our passion as well as our innovation and global capacity makes us your perfect partner to exploit the benefits of lipids in infant formula.

<sup>1</sup>Koletzko e.a. (2008) J Perinat Med 36:5-14

#### Application

Vana<sup>®</sup>-Sana DHA 11A IF is designed for use in infant formula, but can also be used in other food products.

#### Packaging

Excessive oxygen is removed using inert gas to secure the stability and shelf life of the product after packaging. The packaging material comprises a double paper bag combined with a strong inner liner. This is designed to protect the product against oxygen and moisture, as well as against direct light and potential physical damage.

#### Shelf life and storage conditions

Vana<sup>®</sup>-Sana DHA 11A IF can be kept for up to two years in the original unopened packaging at temperatures below 20°C, dry and away from strong odors and direct sunlight.

**DOMO**<sup>®</sup>



This information is intended for industrial customers only and is not intended for consumers.

# Vana<sup>®</sup>-Sana DHA 11A IF

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### Typical analysis\*

#### Chemical (on product)

Total fat	50.1%
Carbohydrates	34.2%
Protein (as is) (Nx6.38)	10.2%
Ash	2.5%
Moisture	3.0%

#### Physical/sensoric

Color	Off-white
Taste/Odor	Conform standard
Scorched Particles	disc A

#### Fat Characteristics

##### DHA (C22:6) content

- per gram powder	110mg
- expressed as triglycerides	12.0%

#### Microbiological

Standard plate count	max. 1,000 cfu/g
Enterobacteriaceae	absent in 5x5g
Yeasts and Moulds	max. 30 cfu/g
E. coli	absent in 10g
Bacillus cereus	max. 50 cfu/g
Staphylococci coagulase-pos.	absent in 1g
Salmonellae	absent in 60 x 25g
Cronobacter spp	absent in 30x10g

\* Please refer to specifications for guaranteed limits.

Potential consumer benefits are not to be considered as health claims. They should be considered as potential leads that might be developed into health claims complying with the local legal requirements.

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