



Antioxidants in infant formula

The reference for infant formula is breast milk. In order to mimic breast milk a number of different oils needs to be blended. AAK has a long experience in supplying tailor made oil blends for infant formula, under the Akonino name. In order to maintain the excellent quality of the Akonino product, antioxidants can be added according to customer specification.

Permitted antioxidants in infant nutrition

According to EU directive "Food additives permitted in foods for infants 2006/52/EC", the following most commonly antioxidants are approved to be used in Infant formulae: ascorbylpalmitate, tocopherols, and lecithin.

Optimal composition of antioxidants

The type and amount of antioxidants added, determine the oxidation stability of the final Akonino product. With the extensive knowledge in fat chemistry the R&D at AAK has conducted trials with different antioxidants, in order to determine the optimal addition of antioxidants.

In the below graph different antioxidants at different levels has been evaluated.

PV-development with different antioxidant systems

