

## [Introducing a new line of additives, rich in natural antioxidants for preservation of fish feeds](#)

Dumas ApS is now introducing a line of natural additives, rich in natural antioxidants for preservation of fish feed. Many feedstuffs have limited stability and rancidity often occurs before a batch has been used. The palatability and content of vitamins and essential fatty acids are reduced during manufacturing and storage. The natural antioxidants have proven to be very useful in preventing the feed from oxidising and thus extending the shelf life and stabilising the feeds.

Traditionally feed manufacturers' have added synthetic antioxidants during the production of fish meals and oils in order to preserve the quality and shelf life. However, tests conducted by Dumas has confirmed that natural antioxidants from well-known botanical plants can be used as safe and profitable alternatives to synthetic antioxidants such as butylhydroxyanisole (BHA) and butylhydroxytoluene (BHT).

The products Dumas are introducing are manufactured by extraction of botanical plants such as tea leaves (*Camellia* spp.), grapes (*Vitis vinifera*), olive leaves (*Olea europea*) and rosemary (*Rosmarinus officinalis*). Some products are based solely on one of these raw materials, while other products have been developed to benefit from synergies by combining a number of the botanical extracts. The natural antioxidant products are provided both as standardized liquids and powders, and have a very positive effect in oils with high contents of unsaturated fatty acids, such as fish oil, linseed oil, and several other vegetable oils included in animal feeds.

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