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Press Release

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Stabilisation of Omega 3-rich oils using natural antioxidants

While oils containing high levels of ω -3 and ω -6 lipids offer many potential health benefits, they are inherently unstable and prone to oxidation. Marine oils, particularly those derived from pelagic fish species, are good sources of ω -3 oils but will readily oxidise forming undesirable flavours. The oxidative stability of ω -3 and ω -6 oils is particularly important for a range of consumer products such as margarines, but also for nutritional supplements, such as oils and capsules, where extended shelf life is required.

Historically, synthetic antioxidants have been used to stabilise a range of unsaturated oils. However, as consumer preference shifts towards natural ingredients, many manufacturers have searched for suitable natural alternatives.

Kemin's FORTIUM® RPT40 is a blend of rosemary extract, natural tocopherols and ascorbyl palmitate and has been demonstrated to provide equivalent antioxidant protection to that provided by synthetic antioxidants.

Tests carried out by Kemin on fish oil containing 18% EPA & 12% DHA showed that FORTIUM® RPT40 can match the antioxidant capability of a synthetic TBHQ / BHT / dl- α tocopherol blend.

To support its product range, Kemin Industries have a fully equipped laboratory in Singapore and are able to undertake oxidative studies on behalf of customers.

With excellent technical support from Kemin Industries and Hawkins Watts Australia, customers can be assured oxidative stability does not need to be left to chance.

For further information please contact:

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