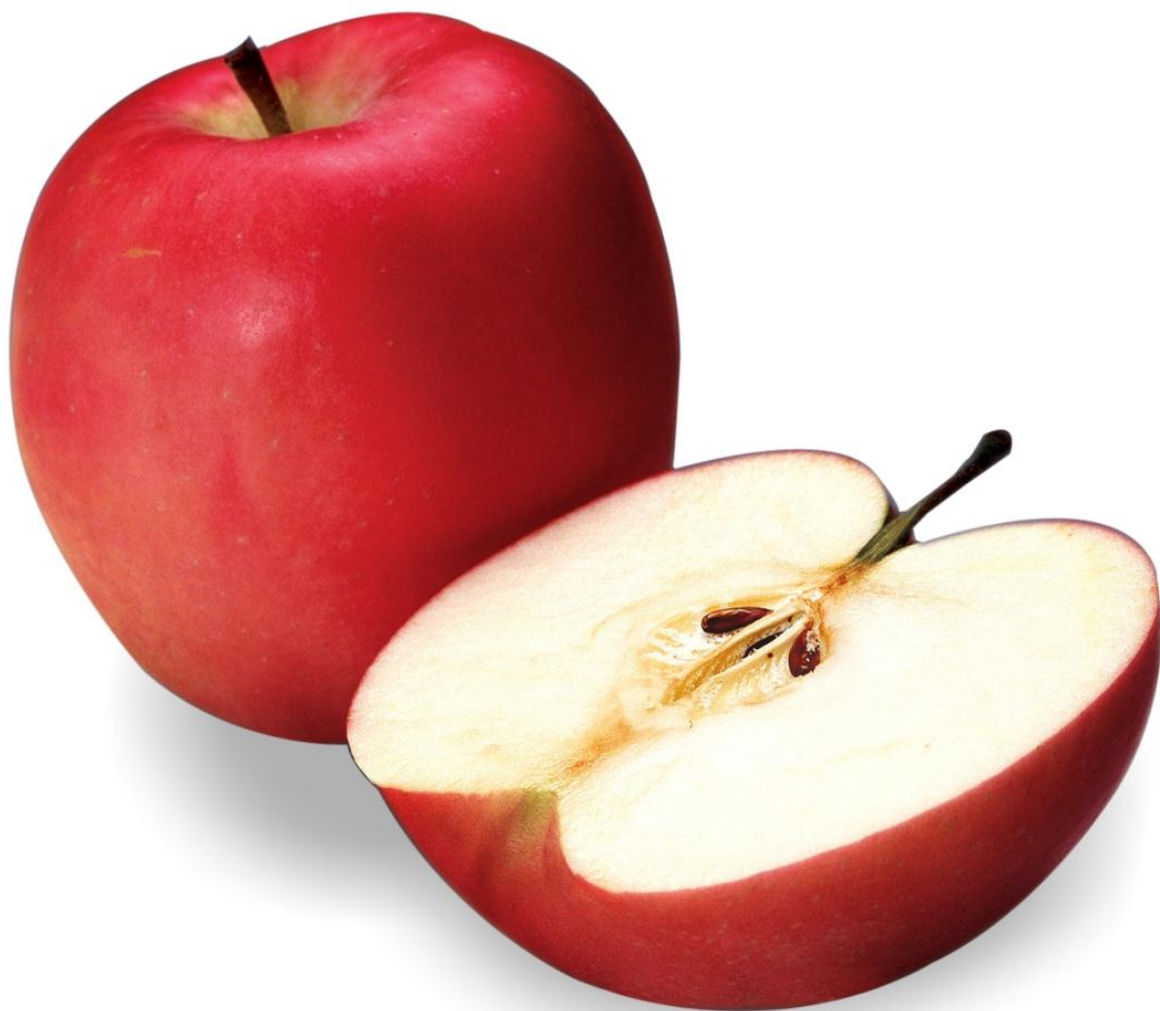




TOTAL NUTRITION
SAFE • HEALTHY • EFFICIENT

Fresh Forever



ENDOX[®] C Dry

A High Potency Low Inclusion
Multi Stage Antioxidant



INSPIRED MOLECULAR SOLUTIONS™



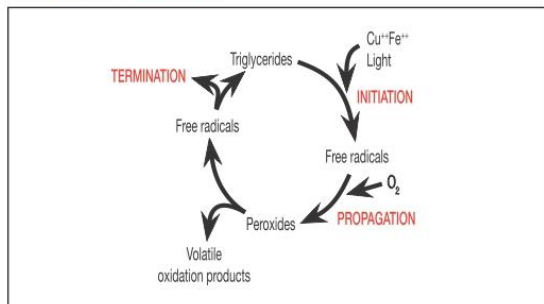
Contact: 044 42202800, mail.india@kemin.com, www.kemin.com
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ENDOX[®] C Dry

A High Potency Low Inclusion Multi Stage Antioxidant

Oxidative Rancidity poses a major threat to poultry feed and vitamin premix manufacturers. Feed contains a high amount of unsaturated fatty acids that are highly prone to oxidative rancidity. Oxidation of oils or fats not only reduces the energy content, but also produces toxic end products such as malonaldehyde and ketones during the termination stage of the oxidation process.

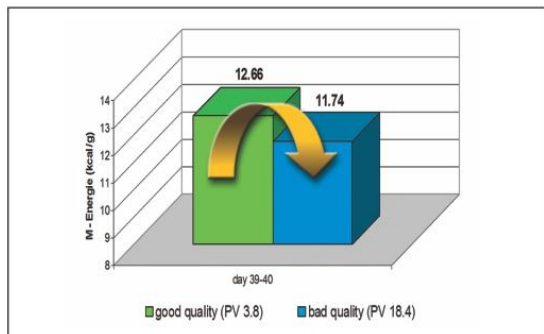
Pathway of Oxidation



III-effects of Oxidation

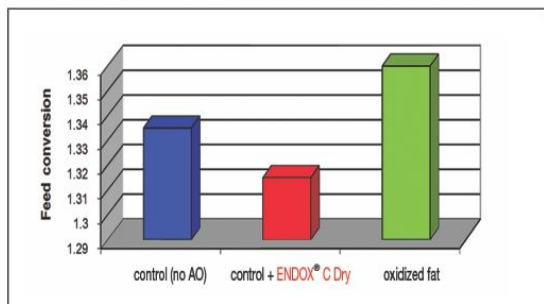
1) Oxidation reduces the nutritive value of oils and fats. Lesser Gross Energy Value of soya oil due to oxidation

0.92Kcal/g or 7% loss of energy content



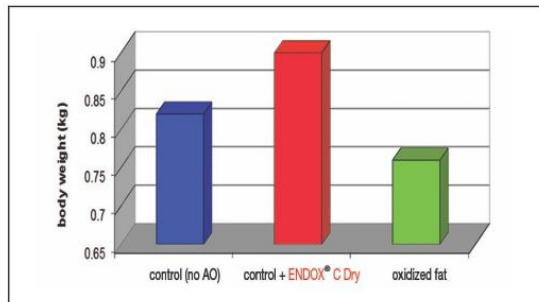
Ref: Pesti (2002) Poultry Science 81:382-390

Lesser Feed Conversion Ratio (FCR) due to oxidation



*5 point increase in FCR

2) Oxidation hampers body weight gain



ENDOX[®] C helped to regain body weight by 125 grams.

Kemin's Antioxidant Program

Kemin's antioxidant programs encompass three major concepts.

1. Free radical scavenger: Ensures maximum radical absorption
2. Chelators: Prevents the formation of free radicals
3. Surfactant: Helps in the uniform distribution of the product

ENDOX[®] C is a high potent multistage antioxidant system with a synergistic combination of ethoxyquin, BHT, chelating agents and surfactants in a free flowing form for better miscibility in feed, raw materials and vitamin premixes.

ENDOX[®] C contains more number of Active Particles.

ENDOX[®] C is manufactured by a unique process to ensure that each molecule is active in the formulation.

	ENDOX [®] C Dry	BHT powder
Average particle size (µm)	20	511
Number of particles / g	232 000 000	14 300

More number of active particles in ENDOX[®] C Dry

Application

ENDOX[®] C Dry is recommended at the rate of 80-200 grams per ton of feed. However, it is to be noted that the inclusion rate for antioxidants is based on the percentage of fat, moisture and shelf life period of the feed and premixes. Please contact the nearest Kemin technical representative for ensuring the accurate inclusion rate.

Presentation: 25Kg and 5Kg bags