

FUNCTIONAL AO-510

Food Grade Antioxidant for Vegetable Oils

APPLICATION:

FUNCTIONAL AO-510 is an additive that was developed for use in stabilizing unsaturated vegetable oils and Group I and II mineral oils that are prone to oxidation. It has good solubility and shows no discoloration in vegetable and mineral oils. It can be combined with **FUNCTIONAL AO-520** to produce highly effective antioxidant combinations.

COMPOSITION:

The active ingredient in **FUNCTIONAL AO-510** is proprietary.

Typical properties	
Specific Gravity	1.03 (20 °C)
Appearance	White crystals
Melting Point	70 °C
Odor	Characteristic
Assay	99.8 % min.
Form	solid

TREATMENT LEVEL:

A typical treatment level for a vegetable oil is 0.01% (100 ppm) per FDA guidelines for direct food applications. For non-food applications the best treatment level for oils is left to the formulator, but typically up to 0.15%. Since there are no standardized test methods for these properties, the required treatment level is best determined by experimentation by the user. Functional antioxidant test is AOCS Cd 12b.

HANDLING:

Any convenient technique may be used for blending. Safe handling precautions are the same as those to be taken with other nuisance powders; see the current Material Safety Data Sheet.

This Technical Data Sheet and the Material Safety Data Sheet contain information believed to be accurate and reliable. No warranty is made, however, to information beyond the control of FUNCTIONAL PRODUCTS INC. The engineering and management personnel of the user are responsible for determining the suitability of this or any product for any specific application, and this information is offered to them for that purpose.

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