

FUNCTIONAL AO-520

Food Grade Antioxidant for Vegetable Oils, Kosher

APPLICATION:

FUNCTIONAL AO-520 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-510** to produce highly effective antioxidant combinations.

COMPOSITION:

The active ingredient in **FUNCTIONAL AO-520** is proprietary.

Typical properties	
Specific Gravity	1.05 (20 °C)
Appearance	Light tan powder
Melting Point	126 – 128 °C
Odor	slight
Assay	99 wt % min.
Form	solid

TREATMENT LEVEL:

A typical treatment level for a vegetable oil is 0.01% (100 ppm) per USDA guidelines and up to 0.02% (200 ppm) per FDA guidelines for direct food applications. For non-food applications the best treatment level for oils is left to the formulator, which typically may be 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 Products uses AOCS Cd12b as its method to determine oxidative stability.

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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