

Cargill NatureWax® Elite 300 vegetable wax

Product Description

NatureWax® Elite 300 vegetable wax is a proprietary blend of vegetable glycerides and substitute for paraffin in wax applications. NatureWax® Elite 300 vegetable wax contains no ingredients with an animal or mineral/petroleum origin.

Applications

- Pillar
- Votives
- Tapers
- Tealights

Advantages

NatureWax® Elite 300 vegetable wax, can be poured in a smooth or textured appearance. Tends to have very good mold release. Tends to not have fat bloom issues.

Typical Properties

CHEMICAL & PHYSICAL ANALYSIS ¹	MINIMUM	TYPICAL VALUE	MAXIMUM	UoM	METHOD
Color Red	-	Off-white	-	-	VISUAL
Mettler Dropping Point	130	135	140	°F	AOCS Cc 18-80

¹Note: The specification for quality is final at loading. Cargill reserves the right to use internal analytical methods that follow the international reference methods.

Packaging, Storage, and Handling

Bulk Product

Bulk oils should be stored and shipped under controlled conditions to protect from light and moisture, maintain correct temperature and with nitrogen blanket. Storage conditions should be maintained so to minimize the impact of the following four (4) causes of degradation:

1. Heat – The oil should ideally be held between 60-100°F for oils that are liquid at room temperature and 15-25°F above the melting point for oils that are solid at room temperature.
2. Exposure to oxygen – Oxidative deterioration is the main cause for stability problems. Ways to minimize exposure to oxygen are:
 - Be sure oil does not free-fall into tank, i.e., fill from the bottom or have a downspout from the top to below the surface.

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- If a recirculation system is used, be sure there are no air leaks around flanges, pump seals, etc.
 - Only recirculate the oil long enough to maintain a homogeneous mixture, i.e., the more it is mixed, the greater the chance of deterioration.
 - If the oil is to be held for extended periods of time (over three weeks), nitrogen blanketing the tank is recommended.
3. Light – Light can cause deterioration of liquid wax and measures should be taken to minimize this exposure. This is only a problem in fiberglass tanks that are exposed to direct sunlight or indoor lighting — steel or insulated tanks do not usually have light exposure problems.
 4. Trace metals – Trace metals such as copper and iron are extremely pro-oxidant and care should be taken to avoid any places where these substances might be introduced to the oil. Things to avoid are any fittings or valves that are constructed of copper or brass.

Packaged Product

NatureWax® Elite 300 vegetable wax is available in powder form. For ease of use, store at 18-30°C. Protect from extreme heat and cold; prolonged storage at temperatures over 32°C or under 5°C should be avoided.

Shelf Life

Bulk Product

Typical bulk storage period or “shelf-life” of oils and shortenings held in bulk is three to four weeks under controlled conditions — protected from light and moisture, at the correct temperature and under nitrogen blanket.

Packaged Product

18 months from date of pack, for unopened boxes stored cool, dry and out of direct sunlight. Re-testing towards the end of the anticipated shelf-life may permit it to be extended. Please request assistance if this is required.

Environmental and Safety

NatureWax® Elite 300 vegetable wax is a non-hazardous* and biodegradable† material. For more information on its environmental and regulatory status, please request our Safety Data Sheet.

Additional Information

Bio-Engineered Status

NatureWax® Elite 300 vegetable wax is made from palm glycerides. There are no commercially available varieties of palm that have been genetically modified via recombinant DNA. Analysis on the presence of genetic material (DNA), modified or not, gave a non-detectable result in the final product. Qualitative Polymerase Chain Reaction (PCR) is the analytical technique used to determine the presence of trace amounts of DNA. Further information is available on request.

If you have further questions do not hesitate to **reach out to your local representative.**

*NatureWax® Elite 300 vegetable wax is considered non-hazardous according to US OSHA 29 CFR 1910.1200.

†NatureWax® Elite 300 vegetable wax is biodegradable based on testing results of similar substances.

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