



Vernon Walden Inc

PRODUCT DATA SHEET

RRR Alpha-Tocopheryl Acetate 500 i.u./gram Powder USP, Sunflower sourced Product Code #DATA500-SF

DESCRIPTION

Sunflower sourced RRR Alpha tocopheryl acetate 500 i.u./gram powder is a stabilized, fine particle, food-grade, Soy and Corn free form of natural Vitamin E acetate developed specifically for use in flour and resulting baked products, beverages, and powdered nutritional premixes. This product is composed of: Tapioca Modified food starch, Sunflower derived RRR Alpha-tocopheryl acetate USP (d-alpha tocopheryl acetate), and Silicon Dioxide added as a flow aid.

PARAMETERS	SPECIFICATIONS	METHOD
Appearance:	Creamy white-Light yellow fine powder	Organoleptic
Assay:	475 – 600 i.u./gram 349.3 – 441.2 mg/gram	USP- Mod. (Intertek-SAM #02006)
RRR Alpha tocopherol equivalence	318.8 – 402.7 mg/gram	
Identification: A:	Bright red or orange color develops	USP
B:	Not less than +24°	USP
C:	Retention time corresponds to standard solution	USP
Loss on drying:	5.0% maximum	AOAC 934.01
Heavy Metals: Arsenic:	0.5 ppm maximum	ICP-MS
Cadmium:	0.25 ppm maximum	ICP-MS
Lead:	0.5 ppm maximum	ICP-MS
Mercury:	0.25 ppm maximum	ICP-MS
Microbiological: Total Aerobic Plate Count:	500 CFU/gram maximum	<USP 61>
Yeast & Mold:	200 CFU/gram maximum	<USP 61>
Salmonella:	Negative	<USP 62>
Bile Tolerant Gram Neg.Bacteria:	Negative	<USP 62>
E. Coli:	Negative	<USP 62>
Staph. Aureus:	Negative	<USP 62>
Pseudomonas:	Negative	<USP 62>
Particle size, USS:	100% minimum through #40 mesh 97% minimum through #60 mesh 80% minimum through #100 mesh 50% maximum through #200 mesh 20% maximum through #325 mesh	Internal
Bulk Density:	0.44-0.54 grams/cc	Internal
Solubility:	Soluble in cold water, with milky appearance	Internal
Residual Solvents:	*Meets USP Requirements	
<i>*This specification is informational and not part of the release testing of this product. It is determined from the use of d-alpha tocopherol oil that meets the USP Residual Solvent limits, and the fact that the only solvent used in the production of this 500 i.u./gram powder is water. We therefore will guarantee all product will comply with the USP limits.</i>		
Benzo(a)pyrene:	*1.0 ppb Maximum	
<i>*This specification is informational, based on specifications and lot specific analysis provided for the d-alpha tocopherol oil used.</i>		

STABILITY

This product is stable when stored in a cool, dry area protected from light. Stability may be influenced by the moisture content of the finished product in which it is incorporated. The current shelf life is 30 months, with extension anticipated as validated by ongoing stability studies.

COUNTRY OF ORIGIN

Manufactured in the USA from ingredients of Domestic and Imported origin.

PACKAGING

25 kg. net weight corrugated box lined with two polyethylene bags, closed with stamped security seals.

STORAGE

Store product in airtight, moisture and light resistant packaging in a cool, dry area.

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