

## Provitas® MT700

**Product Description-**

Provitas® MT700 Oil is a PCR-negative natural mixed tocopherol oil standardized in a suitable edible grade vegetable oil. The active ingredient, mixed tocopherols is derived from natural sources, i.e. edible vegetable oils, and is produced by suitable physical and chemical means. Provitas® MT700 Oil is intended for use as a natural antioxidant/preservative mixed tocopherols source in dietary supplements and foods. Provitas® MT700 Oil is designed for use in oil dispersions, encapsulated products, and fortified foods. Provitas® MT-700 Oil is Kosher Certified.

**Item Number:** T113

**CAS-Number:**

$\alpha$  – 59-02-9  
 $\beta$  – 16698-35-4  
 $\gamma$  – 54-28-4  
 $\delta$  – 119-13-1

**Country of Origin-** Manufactured in the USA

**Compendia Requirements-**

Provitas® MT700 meets all requirements of FCC monograph "Tocopherols Concentrate, Mixed".

**Harmonized Tariff Schedule Code-** 2936.28.00

**Solubility-** Provitas® MT700 is soluble in Fats and oils.

**Generally Recognized as Safe-**

Provitas® MT700 is affirmed (GRAS) Generally Recognized As Safe by the US FDA as stated in the US FDA Code of Federal Regulations: 21CFR182.8890.

**Stability and Storage-**

The shelf life in sealed, original containers under normal storage conditions is 24 months after the date of manufacture. Store in tightly closed containers in cool and dry conditions. Protect from heat, light, and oxygen. Avoid freezing temperatures.

**GMP-**

Provitas LLC confirms that Provitas® MT700 is manufactured in a production facility that adheres to Good Manufacturing Practices as defined by the U.S. FDA, CFR Title 117. Provitas and the production Facilities are FDA registered, and 3<sup>rd</sup> party certified.

**Non-GMO and Organic compliant statement-**

Provitas® MT700 is manufactured by physical and chemical means and is therefore not an organic product. Provitas® MT700 is organic compliant in accordance with *The Organic Foods Production Act of 1990* as stated in the United States Code of Federal Regulations 7CFR205.605(b) and *Canada Agricultural Products Act, Organic Products Regulations (SOR/2009-176), Part 3.24* and specifically stated in CAN/CGSB-32.311-2006 (6.4):

Provitas® MT700 contains ingredients that may have been derived from a genetically modified source material but are free from both genetically modified DNA and the proteins derived from genetically modified DNA.

TEST	METHODS	SPECIFICATIONS
<b>Organoleptic</b> Description: Color: Odor:	Observation	Clear viscous oil Amber Typical, faint
<b>Assay:</b> Total tocopherols d- $\alpha$ tocopherol, mg/g d- $\beta$ + $\gamma$ tocopherol, mg/g d- $\delta$ tocopherol, mg/g	J Chromatogr A. 2012 Jun 22; 1243:39-46	$\geq$ 700 mg/g $\leq$ 140 mg/g $\geq$ 420 mg/g $\geq$ 100 mg/g
<b>Heavy Metals:</b> Arsenic, mg/kg Cadmium, mg/kg Lead, mg/kg Mercury, mg/kg	AOAC 993.14 AOAC 993.14 AOAC 993.14 DMA	<1.5 <0.3 <1.0 <0.2
<b>Microbial purity:</b> APC, cfu/10g Coliforms, cfu/10g Yeast & Mold, cfu/10g E. Coli, cfu/10g Staphylococcus aureus, cfu/10g Salmonella, cfu/10g	USP <2021> USP<2021> USP <2021> USP <2022> USP <2022> USP <2022>	$\leq$ 1,000 $<$ 100 $<$ 100 Negative Negative Negative
<b>Residual Solvents (RS)<sup>1</sup></b>	USP <467>	Meets USP requirements <sup>1</sup>
<b>Benzo (a) pyrene:</b> ppb	calculated	$\leq$ 1 ppb <sup>2</sup>
1. Specification is informational and not part of release testing but is determined using FCC grade mixed tocopherols that meets USP (RS) specifications. Water is the only solvent used in the production of Provitas® MT700. 2. Specification is informational and not part of release testing but is based on lot specific analysis provided for the mixed tocopherols used in the production of Provitas® MT700		

## Provitas® MT700

**Nutritional Data (per 100 grams)-**

Item	Result	Item	Result
<b>Total Calories</b>	200	<b>Protein</b>	0 grams
Calories from Fat	200	Water	0 grams
<b>Total Fat</b>	22.2 grams	Ash	0 grams
Saturated Fat	3.1 grams	Vitamin D	0 micrograms
Trans Fat	0.1 grams	Calcium	0 milligrams
Polyunsaturated Fatty Acids	13.2 grams	Iron	0 milligrams
Monounsaturated Fatty Acids	5.8 grams	Potassium	0 milligrams
<b>Total Carbohydrates</b>	0 grams	<b>Cholesterol</b>	0 milligrams
Dietary Fiber	0 grams	<b>Sodium</b>	0 milligrams
Sugar - Total	0 grams	Other - Mixed tocopherols	77.8 grams

**Accuracy Disclaimer-**

Provitas, LLC has taken great care to verify the correctness of these data and believes they are correct. However, since the data comes from various sources and are not verified analytically, we cannot warranty their accuracy. Provitas, LLC can only guarantee the minimum potency of the vitamins and other specifications found on the Product Data Sheet, which are available on request. For guaranteed accuracy of composition other than that guaranteed by Provitas, LLC, the customer is advised to submit for analytical testing by a reliable laboratory.

These values have been determined by using a nutritional database of ingredients, which were analyzed singularly. They are believed to be accurate but are not guaranteed.

**BSE/TSE/Irradiation/EtO Statements/BHA-BHT-**

Provitas® MT700 is free of any animal origin organisms/ingredients. Product is PCR negative for any or animal-based organisms. Provitas, LLC guarantees that no BSE/TSE causing ingredients are present in Provitas® MT700.

We certify that Provitas® MT700 is free of radiation. Irradiation is not used in the production, packaging and/or storage of Provitas® MT700.

We certify that Provitas® MT700 is free of ethylene oxide. Ethylene oxide sterilization is not used in the production, packaging and/or storage of Provitas® MT700.

We certify that Provitas® MT700 is free of BHA and BHT. BHA and BHT are not used in the production, packaging and/or storage of Provitas® MT700.

**Residual Solvent Statement-**

Provitas LLC certifies that Provitas® MT700 fully complies with Chemical test <467> USP/NF: Residual Solvents Limits. Water is the only solvent used in the Provitas® MT700 manufacturing process.

**WADA-**

Provitas LLC certifies that Provitas® MT700 does not contain nor comes into contact with any substance listed on the World Anti-Doping Agency banned list or other sports related banned lists. These include narcotics, hormones, diuretics and steroids.

**Nanomaterial Statement-**

Based on our current understanding of nanomaterial regulation EU No 1169/2011, Provitas® MT700 is not considered a nanomaterial. Therefore, it does not require labeling as such.

**Sewage-**

We certify that Provitas® MT700 has been produced, packaged and stored without the use of sewage sludge.

**Prop 65-**

We certify that Provitas® MT700 and all materials used to manufacture PROVITAS® MT700 do not appear on the List Of Chemicals Known to Cause Cancer Or Reproductive Toxicity, under section 25249.8 of the CALIFORNIA SAFE WATER AND TOXIC ENFORCEMENT ACT OF 1986, Chapter 6.6 added by Proposition 65 in 1986. Provitas® MT700 does not contain Carcinogen, Mutagen, or toxic for the Reproduction substances according to the 1272/2008 (EC) Regulation, directive 67/548/EWG.

**Contaminants and Impurities Statement-**

To our knowledge, there is no contamination by potentially harmful materials in Provitas® MT700. This includes but not limited to heavy metals, PAHs, dioxins, organochlorines, pesticides, propylene, melamine, mycotoxins, and solvents.

**Vegetarian Statement-**

Provitas® MT700 is produced using raw materials derived from plant sources or synthetic. This product is vegetarian and vegan since no animal source product is used in manufacturing.

## Provitas® MT700

**Packaging Details-**

<b>50g Sample T1131300</b>	<b>10kg carton T1131355</b>	<b>190kg carton T1131323</b>
Aluminum bottle, 50ml  50 gram net weight 1.77" x 2.68" (45mm x 68mm)	Fiber carton containing 2 x 5kg plastic bottles  10kg net weight 12kg gross weight 12"x8"x12" (31cm x 20cm x 31cm)  Quantity Per 40" x 48" pallet: 1 layer of 15 cartons (150kg) Maximum 4 layers / pallet (600kg)	Metal open-head drum:  190kg net weight 211kg gross weight 24"x24"x34.5" (61cm x 61cm x 88cm)  Quantity Per 40" x 48" pallet: 1 layer of 4 drums (760kg) Maximum 1 layer / pallet (760kg)

Revision History				
Revision	Modified by	Previous Date	Date of Change	Description of Change
01	Emily Baird	April 10, 2019	October 7, 2019	Updated Product number, footer, and added revision table
02	Emily Baird	October 7, 2019	April 14, 2020	Updated to PDS 2020 Format, product number and footer
03	Emily Moran	April 14 <sup>th</sup> , 2020	September 3 <sup>rd</sup> , 2020	Added to the contaminates and to the preservative statements
04	Emily Moran	September 3 <sup>rd</sup> , 2020	April 21, 2021	Updated the GMO statement
05	Emily Moran	April 21, 2021	January 10, 2022	Added CMR statement and BSE/TSE