

Vitapherole® TP-350 WD Non GMO
(Mixed tocopherols concentrate microencapsulated WD)**Names:**

Chemical name: mixed tocopherols

Natural Mixed Tocopherols concentrate powder water-dispersible

The raw material of “Vitapherole® TP-350 WD non GMO” is the “Vitapherole® T-70 non GMO” which specifications are available upon request.

“Vitapherole® TP-350 WD non GMO” is made by spray drying the active ingredient onto an emulsifier.

Identification:

<u>Name</u>	<u>Empirical formula</u>	<u>Molecular weight</u>	<u>CAS</u>
d-alpha tocopherol	C ₂₉ H ₅₀ O ₂	430.69	59-02-9
d-beta tocopherol	C ₂₈ H ₄₈ O ₂	416.66	16698-35-4
d-gamma tocopherol	C ₂₈ H ₄₈ O ₂	416.66	54-28-4
d-delta tocopherol	C ₂₇ H ₄₆ O ₂	402.64	119-13-1

Standards:

Current EP and USP. Kosher certified, Halal certified. Produced under ISO 9001 standards. Non GMO.

Colour: Clear, white to cream fine powder

Taste: Bland, characteristic

Odour: Bland to none

Density: 0.35-0.60 g/cm³

Ingredients: Mixed tocopherols concentrate
Starch

Tocopherols content: 350 mg/g (minimum)

(as mixed tocopherol)

(GC analysis Vitae Method ITO-02-L)

Acidity: Passes USP and EP tests

Heavy metals (total): < 10 ppm

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Microbiological tests (cfu/g): (EP, RD 3177/83)	<i>E. Coli:</i>	None/g
	<i>Salmonella:</i>	None/10 g
	<i>Lysteria Monocytogenes:</i>	None/10 g
	<i>Shigella:</i>	None/10 g
	<i>Clostridium Perfringens:</i>	None/g
	<i>Staphylococcus Aureus:</i>	None/g
	<i>Enterobacteriaceae:</i>	max 100/g
	<i>Total Aerobic Count:</i>	max 1000/g
	<i>Yeast & Moulds:</i>	max 100/g

Irradiation: This product has not been irradiated

Residual solvents: Passes USP (467) Method IV

Solubility:

Dispersible in water. Insoluble in vegetable oils and organic solvents.

Storage:

Protection from light, heat, alkaline, moisture environments is recommended.

Shelf Life:

12 months at least from packaging date stored in tightly closed containers.

Packaging:

This product is supplied in 20 kg carton drums with plastic interior bag. Other packages upon request.

Labelling:

All products produced using “Vitapherole®TP-500 WD non GMO” may be labelled as “natural source Vitamin E”.

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Uses:

“Vitapherole® TP-350 W.D. non GMO” is used as a natural antioxidant in nutrition as dietary supplements, food and cosmetic industry. “Vitapherole® TP-350 WD non GMO” mixes well with dry ingredients and disperses also well in water.

Other information:

All orders and samples requested will be sent together with an Analysis Certificate. Material Safety data Sheet is available upon request.

Contact us through our fax: +34 925 851021; tel: +34 925 851013; e-mail: quality@vitaenaturals.com or through our web-site at: www.vitaenaturals.com and your request will be attended by our local representative.

All information contained here is intended to be accurate. Anyway, this document is provided for your guidance only. We recommend testing the product for your particular purpose, prior to be used in the industrial process.