

Vitapherole® TP-300 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-300 WD non GMO” is the “Vitapherole® T-90 non GMO” which specifications are available upon request.

“Vitapherole® TP-300 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 USP. Halal certified. Produced under FSSC 22000 Standard. 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
Gum Acacia

Tocopherols content: 300 mg/g (min.) (30%) min.
(as mixed tocopherol)
(GC analysis Vitae Method IT-02-L)

Non alpha tocopherol:	250 mg/g min.	(25 %) min.
Alpha tocopherol:	0 – 60 mg/g	(0 – 6 %)
Beta tocopherol:	0 – 30 mg/g	(0 – 3 %)
Gamma tocopherol:	150 – 210 mg/g	(15 – 21%)
Delta tocopherol:	30 – 90 mg/g	(3 – 9 %)

Heavy metals (total): < 10 ppm

Vitapherole® TP-300 WD Non GMO
(Mixed tocopherols concentrate microencapsulated WD)

Microbiological tests (cfu/g): (EP, RD 3177/83)	<i>E. Coli:</i>	None/g
	<i>Salmonella:</i>	None/25 g
	<i>Listeria 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:

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

Packaging:

20 kg paper bags with internal food grade covering (In compliance with Commission Directive 2002/72/EC) are supplied for this product.

Labelling:

All products produced using “Vitapherole® TP-300 WD non GMO” may be labelled as “natural source Vitamin E”.

Vitapherole® TP-300 WD Non GMO
(Mixed tocopherols concentrate microencapsulated WD)

Uses:

“Vitapherole® TP-300 WD non GMO” is used as a natural antioxidant in nutrition as dietary supplements, food and cosmetic industry. “Vitapherole® TP-300 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.