

make a spec sheet for tocotrienols 25%

SPECIFICATION SHEET

Product: Natural Vitamin E (Tocotrienols 25% from Palm Oil)

Composition: Natural Vitamin E Complex

Raw Material: Palm Oil

Extraction Solvent: None

Packaging: As per customer requirements

Storage: Store in tightly closed containers, cool and dry. Protect from heat, light and oxygen.

Shelf Life: 24 months

Carriers: None

Allergen: None

Test Item	Specifications	Results	Test Methods
Physical/Assay			
Appearance	Amber oil	Conforms	Visual
Identification (NIR)	Positive	Conforms	NIR
Acidity	≤ 1 ml	0.27	In-house
Active Compounds			
Total Tocopherols & Tocotrienols	$\geq 25.0\%$	27.00%	HPLC
Total Tocopherols	—	13.18%	HPLC
d- α -Tocopherol	—	12.27%	HPLC
d- β -Tocopherol	—	0.13%	HPLC
d- γ -Tocopherol	—	0.54%	HPLC
d- δ -Tocopherol	—	0.24%	HPLC

Total Tocotrienols	—	13.82%	HPLC
d- α -Tocotrienol	—	10.95%	HPLC
d- β -Tocotrienol	—	0.10%	HPLC
d- γ -Tocotrienol	—	2.33%	HPLC
d- δ -Tocotrienol	—	0.44%	HPLC
Heavy Metals*			
Lead (Pb)	≤ 1 ppm	≤ 1 ppm	In-house
Arsenic (As)	≤ 1 ppm	≤ 1 ppm	In-house
Cadmium (Cd)	≤ 1 ppm	≤ 1 ppm	In-house
Mercury (Hg)	≤ 0.1 ppm	≤ 0.1 ppm	In-house
Contaminants			
Benzo[a]pyrene	Max. 2 ppb	< 2 ppb	In-house
Pesticide Residues	LTM	Conforms	In-house
Residual Solvents	Meet USP/EP requirements	Conforms	In-house
Microbiological*			
Total Plate Count	≤ 100 cfu/g	Conforms	USP <61>
Yeast & Mould	≤ 100 cfu/g	Conforms	USP <61>
<i>E. coli</i>	Negative	Negative	USP <61>
<i>Staphylococci</i>	Negative	Negative	USP <61>
<i>Salmonella</i>	Negative/25g	Negative	USP <61>
Source	Palm oil	Conforms	—

*Analyzed on random audit sample basis.

Conclusion: The product meets the specified quality standards and is compliant with applicable food safety requirements.