

Astron Chemicals S.A.
Tax-No. EL094468327
Thesis Kirilo

19300 Aspropyrgos

Ελλάδα

2022-06-15 Certificate No 4324
Page 1 of 3

Hr. Dr. Florian Wildschek
ENT/OQA
florian.wildschek@basf.com

Inspection Certificate 3.1 according to EN 10204

Vitamin E-Acetate Care	Material	50131677
25KG Plastic drums	Order	3385729246 000010
Purchase order/Customer material	Delivery	3196102709 000010
2210228	Lot	47242736W0
000000000050131677	Lot/Qty	450.000 KG
	Total	450.000 KG
	Transport	00000000001110507399

Manufacturing Location: DE, 67056 Ludwigshafen, Carl-Bosch-Str. 38

Test Parameter	Requirements	UoM	Results
Appearance PM01055QC	viscous light yellow oil		conforms
Identification (GC) (Retention Time) Ph.Eur.	must conform		conforms
Assay DL-alpha-Tocopheryl acetate (GC) (Ph.Eur.) Ph.Eur.	Min.: 96.5 Max.: 102.0	g/100g	98.7
Assay DL-alpha-Tocopheryl acetate (GC) (USP) USP	Min.: 96.0 Max.: 102.0	g/100g	99.4
Assay DL-alpha-Tocopheryl acetate (GC) (FCC) USP	Min.: 960 Max.: 1020	I.U./g	994
Related substances (Impurity A) Ph.Eur.	Max.: 0.5	Area-%	<0.1
Related substances (Impurity B) Ph.Eur.	Max.: 1.5	Area-%	<0.1

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.

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Test Parameter	Requirements	UoM	Results
----- Related substances (Impurity C) Ph.Eur.	Max.: 0.5	Area-%	<0.1
Related substances (sum of impurity D and E) Ph.Eur.	Max.: 1.0	Area-%	0.3
Related substances (any other impurity) Ph.Eur.	any other impurity max. 0.25 Area -%		conforms
Related substances (total impurities) Ph.Eur.	Max.: 2.5	Area-%	0.3
Optical rotation Ph.Eur.	Min.: -0.01 Max.: +0.01	degree	+0.00
Acidity USP	must conform		conforms
Residual solvent * methanol PM/00544	must conform (max.3000mg/kg)		conforms
Residual solvent * heptane PM/00544	must conform (max.0, 5g/100g)		conforms

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* test verified on random samples

Manufacturer: BASF SE
Carl-Bosch-Str.38
67056 Ludwigshafen
Germany

QC-Reference-No.	22C02004
Production date	(YYYY-MM-DD) 2022-01-31
Release date	(YYYY-MM-DD) 2022-02-23
Best before/Retest date	(YYYY-MM-DD) 2025-01-30

BASF SE
Quality Assurance - Release
sig. Fr. Surdmann
QA-Representative

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