

Fax No 00302105579384

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

19300 Aspropyrgos

Greece

2020-02-14  
ENT/OQA  
Hr. Dr. Florian Wildschek  
florian.wildschek@basf.com  
Certificate No 1416  
Page 1 of 4

**Inspection Certificate 3.1 according to EN 10204**

Vitamin E Acetate 98%

25KG Plastic drums

Purchase Order/Customer Product#  
1910491

Material	50315393
Order	3016257328 000010
Delivery	3192839228 000010
Lot	21427947G0
Lot/Qty	1350.000 KG
Total	1350.000 KG
Transport	0000000000936073534

Test Parameter	Requirements	UoM	Results
Appearance	viscous light yellow oil		conforms
Identification (GC) (Retention Time)	must conform		conforms
Optical rotation	Min.: -0.01 Max.: +0.01	degree	-0.00
Acidity	must conform		conforms
Related substances (Impurity A)	Max.: 0.5	Area-%	<0.1
Related substances (Impurity B)	Max.: 1.5	Area-%	<0.1
Related substances (Impurity C)	Max.: 0.5	Area-%	0.3
Related substances (sum of impurity D and E)	Max.: 1.0	Area-%	0.2
Related substances (any other impurity)	any other impurity max. 0.25 Area -%		conforms
Related substances (total impurities)	Max.: 2.5	Area-%	0.5

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
Arsenic *	must conform (max.: 1 mg/kg)		conforms
Lead *	must conform (max.: 2mg/kg)		conforms
Cadmium *	must conform (max.: 1mg/kg)		conforms
Mercury*	must conform (max.: 0, 1mg/kg)		conforms
Zinc *	must conform (max.: 10mg/kg)		conforms
Heavy metals *	must conform (max. 10mg/kg)		conforms
Assay DL-alpha-Tocopheryl acetate (GC) (Ph.Eur.)	Min.: 98.0 Max.: 102.0	g/100g	98.8
Assay DL-alpha-Tocopheryl acetate (GC) (USP)	Min.: 98.0 Max.: 102.0	g/100g	98.9
Assay DL-alpha-Tocopheryl acetate (GC) (FCC)	Min.: 980 Max.: 1020	I.U./g	989
Residual solvent * methanol	must conform (max. 3000mg/kg)		conforms

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Test Parameter	Requirements	UoM	Results
Residual solvent * heptane	must conform (max.0, 5g/100g)		conforms

\* test verified on random samples

The product meets the specifications of following monographs:

"all-rac-alpha-Tocopheryl Acetate" of Ph.Eur.10th ed.

"all-rac-alpha-Tocopheryl Acetate" of FCC 11th ed.

"Vitamin E" of USP42/NF37

"Tocopheryl Acetate" IP 2018

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

QC-Reference-No.	20C00341
Production date	(YYYY-MM-DD) 2020-01-07
Release date	(YYYY-MM-DD) 2020-01-29
Retest date	(YYYY-MM-DD) 2023-01-06

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BASF SE

Quality Assurance - Release

sig. Fr. Surdmann

QA-Representative

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