





Astron Chemicals S.A. Tax-No. EL094468327

Thessis Kirilo

Hr. Dr. Florian Wildschek 19300 Aspropyrgos

ENT/QA

Transport

2022-12-21

florian.wildschek@basf.com

Certificate No 1716

F2H25147 QAKR016

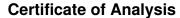
Ελλάδα

50315393

Inspection Certificate 3.1 according to EN 10204

Material 50315393 Vitamin E Acetate 98% Order 3386234875 000010 Delivery 3196693083 000010 25KG Plastic drums Lot 54366075L0 Purchase order/Customer material Lot/Qty 1625.000 KG 2210568 Total 2525.000 KG

Test Parameter	Requirements	UoM	Results
Assay all-rac-alpha-tocopheryl acetat (GC) (PhEur)	Min.: 98.0 Max.: 102.0	g/100g	99.3
Assay all-rac-alpha-tocopherylacet- at (GC) USP	Min.: 98.0 Max.: 102.0	g/100g	99.6
Vitamin E activity (calc.)** (USP)	Min.: 980 Max.: 1020	I.U./g	996
Vitamin E activity calc. as mg/g RRR-alpha-Tocopherol**			453
Appearance	viscous, light yellow oil		conforms
Identification (GC) (Retention Time)	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-%	<0.1



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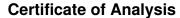
 Vitamin E Acetate 98%
 Material Order
 50315393 3386234875 000010

 25KG Plastic drums
 Delivery 3196693083 000010

 Purchase order/Customer material 2210568
 Lot Qty 1625.000 KG

50315393 Total 2525.000 KG Transport F2H25147 QAKR016

Test Parameter	Requirements	UoM	Results
Related substances (sum of impurity D and E)	Max.: 1.0	Area-%	<0.1
Related substances (any other impurity)	any other impurity max. 0.25 Area -%		conforms
Related substances (total impurities)	Max.: 2.5	Area-%	<0.1
Optical rotation	Min.: -0.01 Max.: +0.01	degree	+0.00
Acidity	must conform		conforms
Lead *	must conform (max.0,5mg/k	g)	conforms
Cadmium *	must conform (max.0,5mg/kg)		conforms
Mercury *	must conform (max.0, 1mg/k	g)	conforms
Arsenic *	must conform (max.1mg/kg)		conforms
Zinc *	must conform (max.:10mg/k	g)	conforms
Heavy metals *	must conform (max.10mg/kg	)	conforms



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BTC Europe GmbH

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(max.0, 5g/100g)

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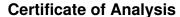
Vitamin E Acetate 98% Material 50315393

Order 3386234875 000010
25KG Plastic drums Delivery 3196693083 000010

Test Parameter Requirements UoM Results

Residual solvent \* methanol must conform (max.3000mg/kg)

Residual solvent \* heptane must conform conforms







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## Inspection Certificate 3.1 according to EN 10204

Vitamin E Acetate 98%

25KG Plastic drums

Purchase order/Customer material

2210568 50315393 Material 50315393

Order 3386234875 000010 Delivery 3196693083 000010

 Lot
 54366075L0

 Lot/Qty
 1625.000 KG

 Total
 2525.000 KG

 Transport
 F2H25147 QAKR016

\* test verified on random samples

\*\* Biological activity and equivalence: 1 mg all-rac-alpha-tocopheryl acetate = 0.455 mg RRR-alpha-tocopherol = 1 IU Vitamin E - e.g., 980 mg/g all-rac-alpha-tocopheryl acetate is equal to 446 mg/g RRR-alpha-tocopherol and 1020 mg/g all-rac-alpha-tocopheryl acetate is equal to 464 mg/g RRR-alpha-tocopherol. The calculated Vitamin E activity (in mg/g RRR-alpha-tocopherol) will be displayed on the CoA. (Please notice, in certain countries/ regions the previous conversion factor may remain: 1 IU Vitamin E = 1 mg all-rac-alpha-tocopheryl acetate = 0.671 mg RRR-alpha-tocopherol).

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 13th ed.

"Vitamin E" of USP-NF 2022, Issue 1 "Tocopheryl Acetate" IP 2018

Manufacturer: BASF SE

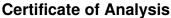
Carl-Bosch-Str.38 67056 Ludwigshafen

Germany

QC-Reference-No.

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.

22C11388







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Vitamin E Acetate 98%

25KG Plastic drums

Purchase order/Customer material

2210568 50315393 Material 50315393

Order 3386234875 000010 3196693083 000010 Delivery

Lot 54366075L0 Lot/Qty 1625.000 KG Total 2525.000 KG Transport F2H25147 QAKR016

Production date (YYYY-MM-DD) 2022-08-26

Release date (YYYY-MM-DD) 2022-09-27

Retest date (YYYY-MM-DD) 2025-08-25

BASF SE

Quality Assurance - Release

sig. Hr. Frühbeis QA-Representative