

Fax No 00302104179316

KALOGEROPOULOS CHEMICALS SA

GOUNARI 35

18531 PIRAEUS

Greece

2021-05-10

ENT/OQA

Hr. Dr. Florian Wildschek

florian.wildschek@basf.com

Certificate No 1771

Page 1 of 4

**Inspection Certificate 3.1 according to EN 10204**

Vitamin A-Palmitate Care

(1.0 Tocopherol)

5KG Plastic jerricans

Purchase Order/Customer Product#

5503

00000000050131647

Material

50131647

Order

3384625832 000010

Delivery

3194528878 000010

Lot

53547636W0

Lot/Qty

5.000 KG

Total

5.000 KG

Transport

0000000001036485854

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

Test Parameter	Requirements	UoM	Results
Appearance PM/01055	yellow viscous oil, partly crystalline when cooled		conforms
Identification Vit.A-Palm. (TLC) PM/00334	must conform		conforms
Assay Vitamin A (photometr.) Ph.Eur.	Min.: 1.00 Max.: 1.10	Mio.I.U./g	1.06
Peroxide value Ph.Eur.	Max.: 10	meq/kg	1
Acid Value Ph.Eur.	Max.: 2.0	mg KOH/g	1.9
Retinol PM/01096	Max.: 1.0	g/100g	<1.0
Related substances: Absorbance Ratio A 300/ A 326nm Ph.Eur.	Max.: 0.60		0.58

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
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Related substances: Absorbance Ratio A 350/ A 326 nm Ph.Eur.	Max.: 0.54		0.52
Related substances: Absorbance Ratio A 370/ A 326nm Ph.Eur.	Max.: 0.14		0.12
Heavy metals * PM/01676	must conform (max.10mg/kg)		conforms
Nickel* PM/01676	must conform (max.2mg/kg)		conforms
Residual solvent * methanol PM/00558	must conform (max.3000mg/kg)		conforms
Residual solvents * (heptane, methyl acetat and isopropanol) PM/00558	must conform (max.5000mg/kg)		conforms

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\* test is verified on random samples

The product is stabilized by tocopherol.

The product meets the specifications of following monographs:

"Vitamin A Concentrate (Oily Form), synthetic" of European Pharmacopoeia 10th Edition

"Vitamin A" of USP42/NF37

Manufacturer: BASF SE

Carl-Bosch-Str.38

67056 Ludwigshafen

Germany

QC-Reference-No.

20C10668

Production date

(YYYY-MM)

2020-07

Release date

(YYYY-MM-DD)

2020-08-13

Best before/Retest date

(YYYY-MM)

2023-07

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**BASF SE**

**Quality Assurance - Release**

**sig. Hr. Frühbeis**

**QA-Representative**

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