





KALOGEROPOULOS CHEMICALS SA

2021-05-10 GOUNARI 35 ENT/OQA

Hr. Dr. Florian Wildschek
18531 PIRAEUS florian.wildschek@basf.com

Certificate No 1771

Greece Page 1 of 4

Inspection Certificate 3.1 according to EN 10204

Vitamin A-Palmitate Care Material 50131647

 (1.0 Tocopherol)
 Order
 3384625832
 000010

 5KG Plastic jerricans
 Delivery
 3194528878
 000010

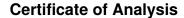
 Purchase Order/Customer Product#
 Lot
 53547636W0

5503 Lot/Qty 5.000 KG
00000000050131647 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







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Test Parameter	Requirements	UoM	Results
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

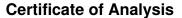
Germany

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