

Date of Certificate	:	14 Mar 2024
Instructions for analysis received on	:	12 Mar 2024
Sample received	:	13 Mar 2024
Analysis started	:	13 Mar 2024
Analysis finished	:	14 Mar 2024
Sample description	:	Palm Oil Stearin
Package status	:	In good condition
Sample quantity	:	750 ml
Sample environment	:	Ambient
Seal	:	Yes

Sample mark information from customer

Reference number	:	T203
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Test results:

Free Fatty Acids (MW 256)

(QTI-A-003 In accordance with NEN-EN-ISO 660 titrimetric method ("Cold Solvent method using indicator"))

Q Free Fatty Acids	0,30 %
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Insoluble Impurities

(NEN-EN-ISO 663)

Insoluble Impurities	0,01 %
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Iodine Value

(NEN-EN-ISO 3961)

Iodine Value	39,2 g I2/100g
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Lovibond 5 ¼ inch

(NEN-ISO 27608)

Red	5,9
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Yellow	64,9
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Moisture

(QTI-A-002 In accordance with NEN-EN-ISO 8534 Karl Fischer titrimetric method (pyridine free))

Q Moisture	0,03 %
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Slip-Melting Point

(NEN-EN-ISO 6321)

Slip-melting point	46,2 °C
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MOSH MOAH Online HPLC-GC-FID

(QTI-C-011 in-house method (saponification: in-house method) (sample pre-treatment and analysis: NEN-EN 16995))

C10-C16	<1,0 mg/kg
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C16-C20	<1,0 mg/kg
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C20-C25	<1,0 mg/kg
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C25-C35	4,7 mg/kg
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C35-C40	3,8 mg/kg
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C40-C50	3,9 mg/kg
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Q Total MOSH C10-C50	13 mg/kg	±3,1 mg/kg
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C10-C16	<0,50 mg/kg
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C16-C25	<0,50 mg/kg
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C25-C35	<0,50 mg/kg
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C35-C50	0,68 mg/kg
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Q Total MOAH C10-C50	1,1 mg/kg	±0,26 mg/kg
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Sample intake	1,0606 g
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Data reporting equivalent to JRC 115694