



**Middle East
Sofia Trade**



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0098(21)88509011-14

Analyse Data sheet

<i>Stearic Acid</i> <i>KIK 1801</i>					
#	Test	REF.METHOD	min	max	Result
1	Acid value (mgKOH/g)	AOCS Te 1a-64/ISO660	206	211	209
2	Saponification Value (mgKOH/g)	AOCS Te 1a-64/ISO3657	207	213	211
3	Iodine Value , g 12/100g	AOCS Cd 1B-87/ISO3961		0.5	0.36
4	Titer °C	AOCS Tr 1a-64/ISO935	54.0	57.0	55.4
5	Colour (lov.5 ¼) red	AOCS Cc 13e-92/BS684:1.14	< = 0.5	0.2	0.1
6	Colour (lov.5 ¼) yellow	AOCS Cc 13e-92/BS684:1.14	< = 2.0	2.0	0.2
7	APHA Colour	AOCS Td 1B-64/ISO6271		50	10
8	C12+C14 Fatty Acids	AOCS Ce 1e-91/ISO12966-4	< = 1.0	2.0	0
9	C16 palmitic Acid	AOCS Ce 1e-91/ISO12966-4 48.0	55	60	57.9
10	C18 stearic Acid	AOCS Ce 1e-91/ISO12966-4 45.0	39	45	40.9
11	C20 Arachidic Acid	AOCS Ce 1e-91/ISO12966-4		1.0	0.5



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<i>Stearic Acid KIK 1802</i>					
#	Test	REF.METHOD	min	max	Result
1	Acid value (mgKOH/g)	AOCS Te 1a-64/ISO660	205	211	209
2	Saponification Value (mgKOH/g)	AOCS Te 1a-64/ISO3657	206	212	210
3	Lodine Value , g 12/100g	AOCS Cd 1B-87/ISO3961		0.50	0.13
4	Titer °C	AOCS Tr 1a-64/ISO935	54.0	57.0	55.8
5	Colour (lov.5 ¼) red	AOCS Cc 13e-92/BS684:1.14	< = 0.5	0.2	0.1
6	Colour (lov.5 ¼) yellow	AOCS Cc 13e-92/BS684:1.14	< = 2.0	2.0	0.3
7	APHA Colour	AOCS Td 1B-64/ISO6271		50	12
8	C12+C14 Fatty Acids	AOCS Ce 1e-91/ISO 12966-4	< = 1.0	2.0	0.4
9	C16 palmitic Acid	AOCS Ce 1e-91/ISO 12966-4 48.0	< = 3.0	55.0	52.3
10	C18 stearic Acid	AOCS Ce 1e-91/ISO 12966-4 45.0	45.0-50.0	51.0	46.6
11	C20 Arachidic Acid	AOCS Ce 1e-91/ISO 12966-4	45.0-52.0	1.0	0.4



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<i>Stearic Acid</i> <i>KLK 1810</i>			
#	Test	REF.METHOD	Result
1	Acid value (mgKOH/g)	AOCS Te 1a-64/ISO660	209
2	Saponification Value (mgKOH/g)	AOCS Te 1a-64/ISO3657	210
3	Lodine Value , g 12/100g	AOCS Cd 1B-87/ISO3961	1.0
4	Titer °C	AOCS Tr 1a-64/ISO935	54.8
5	Colour (lov.5 1/4) red	AOCS Cc 13e-92/BS684:1.14	0.2
6	Colour (lov.5 1/4) yellow	AOCS Cc 13e-92/BS684:1.14	0.1
7	Colour APHA	AOCS Td 1B-64/ISO6271	12



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Analyse Data sheet

<i>Stearic Acid (DUA KUDA) 1842</i>			
#	INSEPCION ITEM	STANDARD	Result
1	Exterior	Flakes or Beads	Beads
2	Color , Hazen	≤60	25
3	Acid value (mgKOH/g)	207-211	209.89
4	Saponification Value, g 12/100g	208-212	211.50
5	Lodine Value , g 12/100g	≤0.5	0.12
6	Moisture , %	≤0.2	0.06
7	Melting point , °C	53-57	56.3
8	Fatty Acid Composition	-	-
9	C12 + C14 , % C16 , %C18 , % Other , %	≤1.5 52-59 40-44≤1	0.60 55.95 42.99 0.46
10	Conclusion	pass	