

27-426-1

**CERTIFICATE OF ANALYSIS  
ISSUED BY MAKER**

PRODUCT : PALMERA A9816 PALMITIC ACID, BEAD  
 DATE OF CERTIFICATE : 18-DECEMBER-2015  
 OUR SALES ORDER : 2000009044-0  
 BATCH NUMBER : 2H1985H  
 DATE OF MANUFACTURE : 08-AUGUST-2015  
 LIC NO : M16W31511NU00281

We certify, that we have examined a sample of the above mentioned goods with the following results :

Test Description	Unit	Reference Test Method	Min	Max	Result
Acid Value	mg KOH/g	AOCS Ta 1a-64/ISO 660	216	220	219
Saponification Value	mg KOH/g	AOCS Tl 1a-64/ISO 3657	217	221	220
Iodine Value	g I <sub>2</sub> /100g	AOCS Cd 1b-87/ISO 3961		0.30	0.03
Titre	°C	AOCS Tr 1a-64/ISO 935	60.0	63.0	61.9
Colour, Lovibond 5 1/4", Y	Yellow	AOCS Cc 13e-92/BS 684:1.14		2.0	0.2
Colour, Lovibond 5 1/4", R	Red	AOCS Cc 13e-92/BS 684:1.14		0.2	0.1
Colour APHA	HAZEN	AOCS Td 1b-64/ISO 6271		40	8
C14, Myristic Acid	%	AOCS Ce 1-62/ISO 5508		2.0	0.9
C18, Palmitic Acid	%	AOCS Ce 1-62/ISO 5508	98.0		98.6
C18, Stearic Acid	%	AOCS Ce 1-62/ISO 5508		2.0	0.5

\* Parameter is not tested on every batch and result is determined statistically

PALM-OLEO SDN. BHD.



CORNIE PRIMUS-JUIS  
Senior Chemist

This is a computer generated printout and no signature is required.