



IOI OLEOCHEMICAL

IOI Pan-Century Oleochemicals Sdn. Bhd.

198801000836 (168193-W)

Certificate of Analysis

Page 1 of 2

Date : 17-Nov-2021 Sample Date : 28-Oct-2021
 Product : SOAP NOODLE EXTRA WHITE 80:20 1-2% GLYCERIN MP/RSPO MB

Batch No : W8871A9640 Manufacturing Date: 28-Oct-2021
 SO No : 112211 :20 Expiry Date : 28-Oct-2022
 Certificate No : 40000360062
 Customer PO No : 8012
 Sample Type : BAGS
 Sampling Procedure : SOP-QCD-108
 Quantity : 20 MTS

ANALYSIS RESULTS

Test Parameters	Test Result	Specifications	Unit	Test Method
FFA(as Palmitic)	0.95	1.50 Max	%	AOCS Da 4a-48
Free Glycerol	1.60	1.00 - 2.00	%	AOCS Da 23-56
Free Alkali NaOH (Zero)	ZERO	Free Alkali NaOH% (ZERO)		
Moisture	13.6	12.0 - 14.5	%	In-house method
Sodium Chloride	0.50	0.60 Max	%	AOCS Da 9-48
Total Fatty Matter	77.7	77.0 - 79.0	%	In-house method
Chelating Agent Present	Present	Chelating Agent Present		
Composition PKO	20	Composition Pko 20%		
Composition Palm Oil	80	Composition Palm Oil 80%		
Palm Kernel Acid	0.95	1.30 Max	%	

Remarks :

Contributes to the production of certified sustainable palm oil.

RSPO CERT. No.: CU-RSPO SCC-875722

This COA shall not be re-produced except in full, without written approval from Laboratory.



Issued by shipper/ Manufacturer
 CERTIFIED BY
 IOI Pan-Century Oleochemicals Sdn. Bhd.

Ismayanti binti Mukhtar
 B.SC. (Hons)



CHEMIST



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Sodium Kernelate	16.84	14.00 - 18.00	%	
Sodium Palmate	67.36	67.00 - 72.00	%	
Tetrasodium Etidronate	0.05	0.05 Max	%	In-house method
Tetrasodium EDTA	0.05	0.05 Max	%	In-house method
Titre	45.4	43.0 - 47.0	°C	AOCS Tr 1a-64
Acid Value	217.8	214.0 Min	mg KOH/g	AOCS Te 1a-64
Iodine Value	39.0	35.0 - 40.0	g I2/100g	AOCS Cd - 1d - 92 (1997)

Invoice No.: 90198830

"The shelf life of Soap Noodles is one year after the manufacturing date with recommended storage conditions at 25 ± 5°C and relative humidity of 70 ± 10%. Moisture content of Soap Noodles is subjected to change during storage. It is always recommended to reconfirm moisture content prior to use."

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[Signature]

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