



IOI OLEOCHEMICAL

## IOI Pan-Century Oleochemicals Sdn. Bhd.

198801000836 (168193-W)

## Certificate of Analysis

Page 2 of 2

Date : 30-Sep-2020 Sample Date : 24-Sep-2020  
 Product : SOAP NOODLE EXTRA WHITE 80:20 1-2% GLYCERIN MP/MB

Batch No : W1802A8984 Manufacturing Date: 22-Sep-2020  
 SO No : 96477 :20 Expiry Date : 22-Sep-2021  
 Certificate No : 40000326537 Revised expiry date : 22-Sep-2022  
 Customer PO No : 5728  
 Sample Type : BAGS  
 Sampling Procedure : SOP-QCD-108  
 Quantity : 16.00 MTS

## ANALYSIS RESULTS

Test Parameters	Test Result	Specifications	Unit	Test Method
Sodium Kernelate	16.88	14.00 - 18.00	%	
Sodium Palmate	67.53	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	45.0	43.0 - 47.0	°C	AOCS Tr 1a-64
Acid Value	217.1	214.0 Min	mg KOH/g	AOCS Te 1a-64
Iodine Value	37.7	35.0 - 40.0	g I2/100g	AOCS Cd - 1d - 92 (1997)

Invoice No.: 90178671

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

## Remarks :

Contributes to the production of certified sustainable palm oil.

RSPO CERT. No.: CU-RSPO SCC-815406

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



RSPO-1106134

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

Ismayanti binti Mukhtar  
 B.SC. (Hons)

CHEMIST





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**ANALYSIS RESULTS**

Test Parameters	Test Result	Specifications	Unit	Test Method
FFA(as Palmitic)	0.74	1.50 Max	%	AOCS Da 4a-48
Free Glycerol	1.43	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	0.46	0.60 Max	%	AOCS Da 9a-48
Total Fatty Matter	77.8	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	0.74	1.30 Max	%	

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