



IOI OLEOCHEMICAL

IOI Pan-Century Oleochemicals Sdn. Bhd.

198801000836 (168193-W)

Certificate of Analysis

Page 1 of 2

Date : 17-Feb-2021 Sample Date : 05-Feb-2021
 Product : SOAP NOODLE EXTRA WHITE 80.20 1-2% GLYCERIN MP/RSPO MB

Batch No : W1802A9292 Manufacturing Date: 04-Feb-2021
 SO No : 104798 :10 Expiry Date : 04-Feb-2022
 Certificate No : 40000339027 Retest Expiry Date : 04-Dec-2022
 Customer PO No : 6861
 Sample Type : BAGS
 Sampling Procedure : SOP-QCD-108
 Quantity : 20 MTS

ANALYSIS RESULTS

Test Parameters	Test Result	Specifications	Unit	Test Method
FFA(as Palmitic)	0.55	1.50 Max	%	AOCS Da 4a-48
Free Glycerol	1.37	1.00 - 2.00	%	AOCS Da 23-56
Free Alkali NaOH (Zero)	ZERO	Free Alkali NaOH% (ZERO)		
Moisture	13.1	12.0 - 14.5	%	In-house method
Sodium Chloride	0.42	0.60 Max	%	AOCS Da 9-48
Total Fatty Matter	78.2	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	0.55	1.30 Max	%	

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.



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

[Signature]

Ismayanti binti Mukhtar
 B.Sc. (Hons)

CHEMIST





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Test Parameters	Test Result	Specifications	Unit	Test Method
Sodium Kernelate	17.00	14.00 - 18.00	%	
Sodium Palmate	68.01	67.00 - 72.00	%	
Tetrasodium Etidronate	0.05	0.05 Max	%	In-house method
Tetrasodium EDTA	0.04	0.05 Max	%	In-house method
Titre	45.0	43.0 - 47.0	°C	AOCS Tr 1a-64
Acid Value	217.6	214.0 Min	mg KOH/g	AOCS Te 1a-64
Iodine Value	38.4	35.0 - 40.0	g I2/100g	AOCS Cd - 1d - 92 (1997)

Invoice No.: 90185606

"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."

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