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F.A.S.T. Laboratories - CDO Lapasan Hi-way corner Camp Alagar Road CDO City

Reference No. CD1403-0614

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TEST REPORT

CUSTOMER

: FREYVONNE MILLING SERVICESS

ADDRESS SAMPLE(S) SUBMITTED

: Lizada, Toril, Davao City : VIRGIN COCONUT OIL

SAMPLE CODE

: CD1403-0614-01

Date / Time Received

: 24 March 2014/ 8:00 AM

Date Analyzed Date Reported

7-11 April 2014 : 14 April 2014

D	Results	
Parameters	VIRGIN COCONUT OIL CD1403-0614-01	Test Method
Arsenic, µg/mL	Less than 0.005**	Silver Diethyldithiocarbamate
Lead, mg/L	Less than 0.03*	
Iron, mg/L	0.07	Atomic Absorption Spectrophotometri
Copper, mg/L	Less than 0.01*	

Note: * - Reporting Limit **- Method Detection Limit

Results are those obtained at time of examination and relate only to the sample(s) tested.

References: Official Methods of Analysis of AOAC International, 18th ed. 2005.

Standard Methods for the Examination of Water and Wastewater, APHA- AWWA, 21st Ed.

ANALYZED BY: ITL Tabala

R.L. THURDIS Laboratory Analyst CERTIFIED BY-

Alicon le 4/14/14 R.L. BORRES

Laboratory Chemist Chem. Reg. No. 10488 APPROVED BY

for Alim Ne 4/10/14 R.V. SOLIVA

Laboratory Manager Chem. Reg. No. 08425

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F.A.S.T. Laboratories - CDO Lapasan Hi-way corner Camp Alagar Road CDO City Reference No. CD1403-0613

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TEST REPORT

CUSTOMER

FREYVONNE MILLING SERVICES

ADDRESS

Lizada, Toril, Davao City

SAMPLE(S) SUBMITTED

SAMPLE CODE

Virgin Coconut Oil (In commercially packed) CD1403-0613-01

Date / Time Received

Date Analyzed Date Reported

24 March 2014 /08:00 AM 28 March - 14 April 2014

16 April 2014

Requits Virgin Coconut Oil Fatty Acid Methyl Esters * Test Method CD1403-0613-01 0.7 Caproic acid (C6:0) 8.5 Caprylic acid (C8:0) 7.1 Capric acid (C10:0) 0.03 Undecanoic acid (C11:0) 39.8 Lauric acid (C12:0) 0.04 Tridecanoic acid (C13:0) 19.3 Myristic acid (C14:0) No peak detected Myristoleic acid (C14:1) 9.8 Palmitic acid (C16:0) No peak detected Palmitoleic acid (C16:1) Stearic acid (C18:0) 4.0 AOAC No. 996.06 No peak detected Elaidic acid (C18:1n9t) Gas Chromatography 9.5 Oleic acid (C18 1n9c) No peak detected Linolelaidic acid (C18:2n6t) Linoleic acid (C18:2n6c) 1.0 Linolenic acid (C18:3n3) No peak detected No peak detected Erucic acid (C22:1n9) 0.1 Archidic acid (C20:0) Cis-11-Eicosanoic acid (C20:1) 0.03 Archidonic acid (C20:4n6) No peak detected No peak detected Cis-5.8.11.14.17-Eicosapentanoic acid (C20:5n3) Cis-4,7,10,13,16,19-Docosahexaenoic acid No peak detected (C22:6n3)

- Subcontracted to F.A.S.T. Laboratories - Cubao

Results are those obtained at time of examination and relate only to the sample(s) tested. Reference Official Methods of Analysis of AOAC International, 19th ed., 2012

CERTIFIED BY:

R.L. BORRES

Laboratory Chemist

Chem. Reg. No. 10488

APPROVED BY: 4 24:14 R.V. SOLIVA Laboratory Manager Chem. Reg. No. 08425

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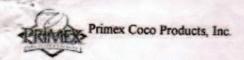
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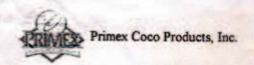
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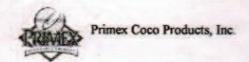
PRODUCT SPECIFICATION

	ORMATION		Marie Commence			
Revised date:	1/4/2013		1	Revision No.:	1	
Product name +	Commodity N*	Organic Virgin C	oconut Oil			
	name address: office plant site	Primex Coco Prod 4th fir, STK Tower, 6	81 Aurora Blvd New Mani	a Quezon City		
Supplier	your contact commercially	Mr. Oliver Sio Ms. Fatima Velasco Ms. Melba C. Garcia				
	contact person quality					
	phone fax no.	632 416 - 2724				
	e-mail	1032 727 - 9098				
Quality system		The product is prepar	ed in accordance with the	oGMP standards		
		7. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	The University of the State of	COMIT GIGINGIUS.		
PRODUCT CHA	RACTERISTICS			OTHER STATES		
PRODUCT CHA	RACTERISTICS			Solida Salada Sa		
General	RACTERISTICS	Phillippines				
General Origin						
General Origin Product denomina	ation (legal name)	Phillippines English Virgin coconut oil is de	Organic Virgin Coco	nut Oil		
General Origin	ation (legal name)	Phillippines English Virgin coconut oil is de	Organic Virgin Coco	nut Oil	sumption	
General Origin Product denomina	ation (legal name)	Phillippines English Virgin coconut oil is de	Organic Virgin Coco	nut Oil	sumption.	



PRODUCT SPECIFICATION

Organoleptic				Method used to determine value
colour	Colorless and sedi	ment free	Maria Carlo	Organoleptical
odour and taste	Natural fresh cocor odors and tastes	nut scent and fre	e from rancid	
Analytical	Target	Minimum	Maximum	Method used to determine value
moisture			0.20%	AOAC 18th ed 2005
free fatty acid (as lauric acid)			0.20%	AOAC 18th ed 2005
peroxide value			3 meq/kg	AOAC 18th ed 2005
pH value		5.0	8	AOAC 18th ed 2005
Microbiological	Maximu	Maximum		Method used to determine value
total plate count	10	10		BAM 8 th ed Rev A
yeast and mold	50		cfu / g	BAM 8 th ed Rev A
Escherichia coli	Neg.		/10g	BAM 8 th ed Rev A
Salmonella	Neg.		/ 50 g	BAM 8th ed Rev A



PRODUCT SPECIFICATION

Packaging	Food grade drum or IBC paper (toete bag)				
weight per colli	190 kis for drum and 900 kis for IBC paper				
Migration Test		Ma	ethodology		BFAD Specs
1. UV Examination a. Water, 60°C, 30 mins b. 20% ethanol, 60°C, 30 mins c. 4% acetic acid, 60°C, 30 mins d. n-Heptane, RT, 1 hr		With reference to JETRO. Analysis by UV-Vis Spectrometry			DIAD opeus
					0.3 Au
					0.3 Au
					0.3 Au
					0.1Au
2. Residue on Evaporation					
a. Water, 60°C, 30 mins b. 20% ethanol, 60°C, 30 mins c. 4% acetic acid, 60°C, 30 mins d. n-Heptane, RT, 1 hr 3. Potassium Permanganate Consumption 4. Lead (Pb) 5. Cadmium (Cd)		With reference to JETRO. Analysis by Gravimetric Method With reference to JETRO. Analysis by Titrimetric Method With reference to JETRO. Analysis by Atomic Absorption Spectrometry (AAS)			30 ppm
					30 ppm
					30 ppm
					150 ppm
					10 ppm
					0.4 ppm
					0.1 ppm
Physical form (e.g. powder, liquid)	liquid				
shelf life		max. 12 months under below mentioned conditions in closed packaging			closed nackaning
storage conditions		Cool, dry and out of direct sunlight. Temp. < 15°C RH < 70%			
GMO declaration Does the product or components here organisms or is it produced with G	eof, contain GM mic			no	specifically:
processing aids and additives.)		100000		yes	apositionity.

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