

CERTIFICATE OF ANALYSIS**Test Report**

JKCP1910011589R1

Date : 02-Aug-2019

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Client : PT THE WILD KEEPERS**JL. TB SIMATUPANG KAV.18, KEBAGUSAN PASAR MINGGU, SOUTH JAKARTA
DKI JAKARTA**

The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description : Illipe Butter Crude Rebus

Sample No. : 1910011589

Data Received : 16-July-2019

We have tested the samples submitted and the following result were obtained :

Test Items	Method	Unit (s)	LOD	LOQ	Result (s)
Acid Value	SNI 01-3555 : 1998 point 8	mg KOH/g	-	-	11.92
Peroxide Value	AOCS Cd 8-53	milliequivalents/Kg	-	-	13.34
Iodine value (wijs method)	AOCS Cd 1b-87	g I2/100g	-	-	32.06
Saponification Value	AOCS Cd3-25	mg KOH/g	-	-	194.86
Refractive Index at 40C	Refractometry method	-	-	-	1.4625
#Slip Melting Point	AOCS Cc 3-25	degree C	-	-	29.7
#Relative Density	ISO 6883 : 2017	g/mL	-	-	0.8985

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Test Items	Method	Unit (s)	LOD	LOQ	Result (s)
Fatty Acid Composition					
-Butyric acid Methyl ester (C4:0)		%	-	0.01	Less than 0.01
-Caproic acid Methyl ester (C6:0)		%	-	0.01	Less than 0.01
-Caprylic acid Methyl ester (C8:0)		%	-	0.01	Less than 0.01
-Capric acid Methyl ester (C10:0)		%	-	0.01	0.01
-Lauric acid Methyl ester (C12:0)		%	-	0.01	0.01
-Tridecanoic acid Methyl ester (C13:0)		%	-	0.01	Less than 0.01
-Myristic acid Methyl ester (C14:0)		%	-	0.01	0.06
-Myristoleic acid Methyl ester (C14:1)		%	-	0.01	Less than 0.01
-Pentadecanoic acid Methyl ester (C15:0)		%	-	0.01	0.02
-Pentadecenoic acid Methyl ester (C15:1)		%	-	0.01	Less than 0.01
-Palmitic acid Methyl ester (C16:0)		%	-	0.01	18.16
-Palmitoleic acid Methyl ester (C16:1)	AOAC (2005) 996.06	%	-	0.01	0.05
-Heptadecanoic acid Methyl ester (C17:0)		%	-	0.01	0.16
-Heptadecenoic acid Methyl ester (C17:1)		%	-	0.01	Less than 0.01
-Stearic acid Methyl ester (C18:0)		%	-	0.01	45.40
-Elaidic Acid (C18:1n9t)		%	-	0.01	Less than 0.01
-Oleic Acid Methyl ester (C18:1n9c)		%	-	0.01	30.92
-Linolelaidic acid (C18:2n6t)		%	-	0.01	Less than 0.01
-Linoleic acid Methyl ester (C18:2n6c)		%	-	0.01	0.89
-Arachidic acid Methyl ester (C20:0)		%	-	0.01	3.92
-gamma-Linolenic acid Methyl Ester (C18:3n6)		%	-	0.01	Less than 0.01
-alpha-Linolenic acid Methyl Ester (C18:3n3)		%	-	0.01	0.15
-Eicosenoic acid Methyl ester (20:1)		%	-	0.01	0.04
-Heneicosanoic acid Methyl ester (C21:0)		%	-	0.01	Less than 0.01

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Test Items	Method	Unit (s)	LOD	LOQ	Result (s)
Fatty Acid Composition					
-Ecosadienoic acid Methyl ester (C20:2)		%	-	0.01	Less than 0.01
-Behenic acid Methyl ester (C22:0)		%	-	0.01	0.13
-cis-8, 11,14-Eicosatrienoic acid Methyl ester (C20:3n6)		%	-	0.01	Less than 0.01
-cis-11, 14,17-Eicosatrienoic acid Methyl ester (C20:3n3)		%	-	0.01	Less than 0.01
-Arachidonic acid Methyl ester (20:4n6)		%	-	0.01	Less than 0.01
-Erucic acid Methyl ester (C22:1)	AOAC (2005) 996.06	%	-	0.01	Less than 0.01
-Tricosanoic acid Methyl ester (C23:0)		%	-	0.01	Less than 0.01
-Docosadienoic acid Methyl ester (22:2)		%	-	0.01	Less than 0.01
-cis-5, 8, 11, 14, 17-Eicosapentaenoic (C20:5n3)/EPA		%	-	0.01	Less than 0.01
-Lignoceric acid Methyl ester (C24:0)		%	-	0.01	0.07
-Nervonic acid Methyl ester (C24:1)		%	-	0.01	Less than 0.01
-cis-4, 7, 10, 13, 16,19-Docosahexaenoic acid (C22:6n3)/DHA		%	-	0.01	Less than 0.01

"Test(s) marked # on this Report was tested/analyzed by an external laboratory with prior approval of the client "

*****End of Report*****

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Signed for and on behalf of

P.T. SGS Indonesia**M Yusuf Suryanata Kusumah****Chemical Lab Supervisor**