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Lab Results

WPI

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Certificate of Analysis

Final Report

Report Issued: 17-Nov-2020

BVAQ Reference: 20-311276

Sample(s) Received: 12-Nov-2020 11:00

Testing Period: 13-Nov-2020 to 17-Nov-2020

Results

The tests were performed on the samples as received.

Customer Sample Name: PURO WHEY ISOLATE VANILLA

Lab ID: 20-311276-1

Sample Condition: Acceptable

Manufactured Date: 9-Nov-2020

Test	Result	Unit	Method Reference
Ash	3.3	% m/m	AsureQuality Method 4151, Gravimetric
Carbohydrate	8.0	% m/m	AsureQuality Method 5022, By Difference, Calculation
Energy	381	kcal/100 g	AsureQuality Method 5022, Calculation
Moisture	4.0	% m/m	AsureQuality Method 4208, Oven Dried
Protein	82.7	% m/m	AsureQuality Method 6503s, Kjeldahl Block Digestion
Fat SBR	2.0	% m/m	AsureQuality Method 4988, Gravimetric-SBR



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RESULT OF ANALYSIS

Laporan Hasil Pengujian : SIG.LHP.IV.2021.040709

No.	Parameter	Unit	Result	Limit Of Detection	Method
1	Lemak jenuh	%	1.31	-	18-6-1/MU/SMM-SIG (GC)
2	Kolesterol	mg / 100 g	1.84	-	18-6-5/MU/SMM-SIG (GC)
3	L-Serin	mg / kg	27524.40	-	18-5-17/MU/SMM-SIG (UPLC)
4	L-Asam glutamat	mg / kg	137485.12	-	18-5-17/MU/SMM-SIG (UPLC)
5	L-Fenilalanin	mg / kg	26858.30	-	18-5-17/MU/SMM-SIG (UPLC)
6	L-Isoleusin	mg / kg	42022.92	-	18-5-17/MU/SMM-SIG (UPLC)
7	L-Valin	mg / kg	38754.16	-	18-5-17/MU/SMM-SIG (UPLC)
8	L-Alanin	mg / kg	50762.24	-	18-5-17/MU/SMM-SIG (UPLC)
9	L-Arginin	mg / kg	18760.39	-	18-5-17/MU/SMM-SIG (UPLC)
10	Glisin	mg / kg	11038.30	-	18-5-17/MU/SMM-SIG (UPLC)
No.	Parameter	Unit	Result	Limit Of Detection	Method
11	L-Lisin	mg / kg	83120.78	-	18-5-17/MU/SMM-SIG (UPLC)
12	L-Asam Aspartat	mg / kg	84409.38	-	18-5-17/MU/SMM-SIG (UPLC)
13	L-Leusin	mg / kg	93246.50	-	18-5-17/MU/SMM-SIG (UPLC)
14	L-Tirosin	mg / kg	24814.04	-	18-5-17/MU/SMM-SIG (UPLC)
15	L-Prolin	mg / kg	30219.05	-	18-5-17/MU/SMM-SIG (UPLC)
16	L-Threonin	mg / kg	39704.46	-	18-5-17/MU/SMM-SIG (UPLC)
17	L-Histidin	mg / kg	13279.37	-	18-5-17/MU/SMM-SIG (UPLC)
18	Lemak Total	%	1.97	-	18-8-5/MU/SMM-SIG point 3.2.2 (Weibull)

Bogor, 01 April 2021
PT. Saraswanti Indo Genetech



Dwi Yulianto Laksono, S.Si
GM Laboratorium

RESULT OF ANALYSIS

Laporan Hasil Pengujian : SIG.LHP.XII.2020.138362

No.	Parameter	Unit	Result	Limit Of Detection	Method
1	Laktosa	%	Not detected	0.06	18-5-15/MU/SMM-SIG (HPLC)
2	Gula	%	1.57	-	18-5-15/MU/SMM-SIG (HPLC)

Bogor, 28 Desember 2020
PT. Saraswanti Indo Genetech



Dwi Yulianto Laksono, S.Si
GM Laboratorium

RESULT OF ANALYSIS**Laporan Hasil Pengujian : SIG.LHP.I.2021.010439**

No.	Parameter	Unit	Result	Limit Of Detection	Method
4	Vitamin B6	mg / 100 g	2.48	-	18-5-2/MU/SMM-SIG (UPLC)
5	Natrium	mg / 100 g	112.98	-	18-13-1/MU/SMM-SIG (ICP OES)

RESULT OF ANALYSIS

Laporan Hasil Pengujian : SIG.LHP.V.2021.062900

No.	Parameter	Unit	Result	Limit Of Detection	Method
1	Kalsium	mg / 100 g	67.44	-	18-13-1/MU/SMM-SIG (ICP OES)
2	Fosfor	mg / kg	589.01	-	18-13-1/MU/SMM-SIG (ICP OES)

Bogor, 25 Mei 2021
PT. Saraswanti Indo Genetech



Dwi Yulianto Laksono, S.Si
GM Laboratorium

RESULT OF ANALYSIS

Laporan Hasil Pengujian : SIG.LHP.XII.2020.133755

No.	Parameter	Unit	Result	Limit Of Detection	Method
16	Sukralosa	mg / kg	890.29	-	18 - 5 - 5 /MU/ SMM - SIG (UPLC)
17	Pb	mg / kg	Not detected	0.0003	18-13-14/MU/SMM-SIG (ICP MS)
18	Sn	mg / kg	Not detected	0.0025	18-13-14/MU/SMM-SIG (ICP MS)
19	As	mg / kg	Not detected	0.0005	18-13-14/MU/SMM-SIG (ICP MS)
20	Cd	mg / kg	Not detected	0.00005	18-13-14/MU/SMM-SIG (ICP MS)

No.	Parameter	Unit	Result	Limit Of Detection	Method
21	Hg	mg / kg	Not detected	0.0004	18-13-14/MU/SMM-SIG (ICP MS)

RESULT OF ANALYSIS

Laporan Hasil Pengujian : SIG.LHP.XII.2020.133756

No.	Parameter	n	c	Result	m	M	Unit	Methode
1	Kapang khamir	1	1	<10	5x10 ¹	5x10 ²	colony / g	SNI ISO 21527 - 2 : 2012
2	Kapang khamir	2	1	<10	5x10 ¹	5x10 ²	colony / g	SNI ISO 21527 - 2 : 2012
3	Kapang khamir	3	1	<10	5x10 ¹	5x10 ²	colony / g	SNI ISO 21527 - 2 : 2012
4	Kapang khamir	4	1	<10	5x10 ¹	5x10 ²	colony / g	SNI ISO 21527 - 2 : 2012
5	Kapang khamir	5	1	<10	5x10 ¹	5x10 ²	colony / g	SNI ISO 21527 - 2 : 2012
6	ALT	1	2	3.4 × 10 ²	10 ⁴	10 ⁵	colony / g	SNI ISO 4833-1:2015
7	ALT	2	2	5.1 × 10 ²	10 ⁴	10 ⁵	colony / g	SNI ISO 4833-1:2015
8	ALT	3	2	1.6 × 10 ³	10 ⁴	10 ⁵	colony / g	SNI ISO 4833-1:2015
9	ALT	4	2	4.4 × 10 ²	10 ⁴	10 ⁵	colony / g	SNI ISO 4833-1:2015
10	ALT	5	2	5.5 × 10 ²	10 ⁴	10 ⁵	colony / g	SNI ISO 4833-1:2015

No.	Parameter	n	c	Result	m	M	Unit	Methode
11	Enterobacteriaceae	1	0	<10	10	NA	colony / g	SNI ISO 21528 - 2 : 2016
12	Enterobacteriaceae	2	0	<10	10	NA	colony / g	SNI ISO 21528 - 2 : 2016
13	Enterobacteriaceae	3	0	<10	10	10NA	colony / g	SNI ISO 21528 - 2 : 2016
14	Enterobacteriaceae	4	0	<10	10	NA	colony / g	SNI ISO 21528 - 2 : 2016
15	Enterobacteriaceae	5	0	<10	10	NA	colony / g	SNI ISO 21528 - 2 : 2016
16	Staphylococcus aureus	1	2	<10	10	10 ²	colony / g	SNI ISO 6888-1 : 2012
17	Staphylococcus aureus	2	2	<10	10	10 ²	colony / g	SNI ISO 6888-1 : 2012
18	Staphylococcus aureus	3	2	<10	10	10 ²	colony / g	SNI ISO 6888-1 : 2012
19	Staphylococcus aureus	4	2	<10	10	10 ²	colony / g	SNI ISO 6888-1 : 2012
20	Staphylococcus aureus	5	2	<10	10	10 ²	colony / g	SNI ISO 6888-1 : 2012

RESULT OF ANALYSIS

Laporan Hasil Pengujian : SIG.LHP.XII.2020.133756

No.	Parameter	n	c	Result	m	M	Unit	Method
21	Salmonella sp.	1	0	Negative	Negative	NA	/ 25 g	SNI ISO 6579 : 2015
22	Salmonella sp.	2	0	Negative	Negative	NA	/ 25 g	SNI ISO 6579 : 2015
23	Salmonella sp.	3	0	Negative	Negative	NA	/ 25 g	SNI ISO 6579 : 2015
24	Salmonella sp.	4	0	Negative	Negative	NA	/ 25 g	SNI ISO 6579 : 2015
25	Salmonella sp.	5	0	Negative	Negative	NA	/ 25 g	SNI ISO 6579 : 2015

n = Jumlah sampel yang diambil dan dianalisis

m, M = Batas mikroba

c = Jumlah yang boleh melampaui batas mikroba untuk menentukan keberterimaan suatu produk pangan Sesuai Peraturan Kepala Badan Pengawas Obat dan Makanan RI No 13 Tahun 2019.

Bogor, 14 Desember 2020

PT. Saraswanti Indo Genetech



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