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Lab Results

WPI

version 01



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## Certificate of Analysis

Final Report

Report Issued: 13-Dec-2021

BVAQ Reference: **21-340320**

Sample(s) Received: 02-Dec-2021 11:00

Testing Period: 03-Dec-2021 to 13-Dec-2021

### Results

The tests were performed on the samples as received.

Customer Sample Name: PURO CHOCO MALT

Lab ID: 21-340320-1

Sample Condition: Acceptable

| Test         | Result | Unit       | Method Reference                                     |
|--------------|--------|------------|--|
| Ash          | 2.3    | % m/m      | AsureQuality Method 4151, Gravimetric                |
| Carbohydrate | 6.6    | % m/m      | AsureQuality Method 5022, By Difference, Calculation |
| Energy       | 376    | kcal/100 g | AsureQuality Method 5022, Calculation                |
| Moisture     | 5.5    | % m/m      | AsureQuality Method 4208, Oven Dried                 |
| Protein      | 84.2   | % m/m      | AsureQuality Method 6503s, Kjeldahl Block Digestion  |
| Fat SBR      | 1.4    | % m/m      | AsureQuality Method 4988, Gravimetric-SBR            |



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The results reported herein have been performed in accordance with the terms of accreditation under the Singapore Accreditation Council. BVAQ is a Bureau Veritas | AsureQuality joint venture company. Reported results relate only to the test sample as received, not to the sample or product from which the test sample was drawn. Tests are performed to the most recent method version unless otherwise indicated. BVAQ does not accept responsibility for the accuracy of results for testing subcontracted to a third-party, in agreement with the customer, and is the sole responsibility of the executing laboratory. This report shall not be used for advertising purposes.

| No | Parameter       | Unit       | Result       | Limit Of Detection | Method                       |
|----|-----------------|------------|--------------|--------------------|------------------------------|
| 1  | L-Serin         | mg / kg    | 39845.33     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 2  | L-Asam glutamat | mg / kg    | 144999.15    | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 3  | L-Fenilalanin   | mg / kg    | 44580.44     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 4  | L-Isoleusin     | mg / kg    | 49364.93     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 5  | L-Valin         | mg / kg    | 42293.23     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 6  | L-Alanin        | mg / kg    | 44383.37     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 7  | L-Arginin       | mg / kg    | 26439.19     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 8  | Glisin          | mg / kg    | 17808.61     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 9  | L-Lisin         | mg / kg    | 91907.23     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 10 | L-Asam Aspartat | mg / kg    | 95897.64     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 11 | L-Leusin        | mg / kg    | 125629.69    | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 12 | L-Tirosin       | mg / kg    | 41038.03     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 13 | L-Prolin        | mg / kg    | 39339.72     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 14 | L-Threonin      | mg / kg    | 52071.95     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 15 | L-Histidin      | mg / kg    | 20234.59     | -                  | 18-5-17/MU/SMM-SIG (UPLC)    |
| 16 | Gula Total      | %          | Not detected | 0.45               | 18-5-15/MU/SMM-SIG (HPLC)    |
| 17 | Laktosa         | %          | Not detected | 0.45               | 18-5-15/MU/SMM-SIG (HPLC)    |
| 18 | Kolesterol      | mg / 100 g | 7.54         | -                  | 18-6-5/MU/SMM-SIG (GC)       |
| 19 | Lemak jenuh     | %          | 0.29         | -                  | 18-6-1/MU/SMM-SIG (GC)       |
| 20 | Natrium         | mg / 100 g | 478.38       | -                  | 18-13-1/MU/SMM-SIG (ICP OES) |

Bogor, 10 Desember 2021  
PT. Saraswanti Indo Genetech



**Dwi Yulianto Laksono, S.Si**  
General Laboratory Manager



## RESULT OF ANALYSIS

### Laporan Hasil Pengujian : SIG.LHP.I.2021.010070

| No. | Parameter | Unit    | Result       | Limit Of Detection | Method                           |
|-----|-----------|---------|--------------|--------------------|----------------------------------|
| 17  | Sukralosa | mg / kg | 1003.58      | -                  | 18 - 5 - 5 /MU/ SMM - SIG (UPLC) |
| 18  | Pb        | mg / kg | Not detected | 0.0003             | 18-13-14/MU/SMM-SIG (ICP MS)     |
| 19  | Sn        | mg / kg | Not detected | 0.0025             | 18-13-14/MU/SMM-SIG (ICP MS)     |
| 20  | As        | mg / kg | Not detected | 0.0005             | 18-13-14/MU/SMM-SIG (ICP MS)     |

| No. | Parameter | Unit    | Result       | Limit Of Detection | Method                       |
|-----|-----------|---------|--------------|--------------------|------------------------------|
| 21  | Cd        | mg / kg | Not detected | 0.00005            | 18-13-14/MU/SMM-SIG (ICP MS) |
| 22  | Hg        | mg / kg | Not detected | 0.0004             | 18-13-14/MU/SMM-SIG (ICP MS) |

## RESULT OF ANALYSIS

### Laporan Hasil Pengujian : SIG.LHP.II.2021.019020

| No. | Parameter  | Unit       | Result | Limit Of Detection | Method                   |
|-----|------------|------------|--------|--------------------|--------------------------|
| 1   | Vitamin B6 | mg / 100 g | 3.23   | -                  | 18-5-2/MU/SMM-SIG (UPLC) |

Bogor, 15 Februari 2021  
 PT. Saraswanti Indo Genetech



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 Manager Laboratorium

## RESULT OF ANALYSIS

### Laporan Hasil Pengujian : SIG.LHP.XII.2020.133754

| No. | Parameter     | n | c | Result                | m                 | M                 | Unit       | Methode                  |
|-----|---------------|---|---|-----------------------|-------------------|-------------------|------------|--------------------------|
| 1   | Kapang khamir | 1 | 1 | <10                   | 5x10 <sup>1</sup> | 5x10 <sup>2</sup> | colony / g | SNI ISO 21527 - 2 : 2012 |
| 2   | Kapang khamir | 2 | 1 | <10                   | 5x10 <sup>1</sup> | 5x10 <sup>2</sup> | colony / g | SNI ISO 21527 - 2 : 2012 |
| 3   | Kapang khamir | 3 | 1 | <10                   | 5x10 <sup>1</sup> | 5x10 <sup>2</sup> | colony / g | SNI ISO 21527 - 2 : 2012 |
| 4   | Kapang khamir | 4 | 1 | <10                   | 5x10 <sup>1</sup> | 5x10 <sup>2</sup> | colony / g | SNI ISO 21527 - 2 : 2012 |
| 5   | Kapang khamir | 5 | 1 | <10                   | 5x10 <sup>1</sup> | 5x10 <sup>2</sup> | colony / g | SNI ISO 21527 - 2 : 2012 |
| 6   | ALT           | 1 | 2 | 6.5 × 10 <sup>2</sup> | 10 <sup>4</sup>   | 10 <sup>5</sup>   | colony / g | SNI ISO 4833-1:2015      |
| 7   | ALT           | 2 | 2 | 1.0 × 10 <sup>4</sup> | 10 <sup>4</sup>   | 10 <sup>5</sup>   | colony / g | SNI ISO 4833-1:2015      |
| 8   | ALT           | 3 | 2 | 3.6 × 10 <sup>2</sup> | 10 <sup>4</sup>   | 10 <sup>5</sup>   | colony / g | SNI ISO 4833-1:2015      |
| 9   | ALT           | 4 | 2 | 1.1 × 10 <sup>3</sup> | 10 <sup>4</sup>   | 10 <sup>5</sup>   | colony / g | SNI ISO 4833-1:2015      |
| 10  | ALT           | 5 | 2 | 2.6 × 10 <sup>2</sup> | 10 <sup>4</sup>   | 10 <sup>5</sup>   | 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 | NA              | 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 <sup>2</sup> | colony / g | SNI ISO 6888-1 : 2012    |
| 17  | Staphylococcus aureus | 2 | 2 | <10    | 10 | 10 <sup>2</sup> | colony / g | SNI ISO 6888-1 : 2012    |
| 18  | Staphylococcus aureus | 3 | 2 | <10    | 10 | 10 <sup>2</sup> | colony / g | SNI ISO 6888-1 : 2012    |
| 19  | Staphylococcus aureus | 4 | 2 | <10    | 10 | 10 <sup>2</sup> | colony / g | SNI ISO 6888-1 : 2012    |
| 20  | Staphylococcus aureus | 5 | 2 | <10    | 10 | 10 <sup>2</sup> | colony / g | SNI ISO 6888-1 : 2012    |

## RESULT OF ANALYSIS

### Laporan Hasil Pengujian : SIG.LHP.XII.2020.133754

| 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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