

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

Sample Name : Defatted cricket powder

The following sample(s) was/were identified by SGS as:

SGS Sample No. : 4791580

Sample Condition : Sample is sealed in an aluminium bag.

Qty.Submitted : 1 bag

Date Received : 1-Jun-2020 Date Commenced: 2-Jun-2020

| Test Items | Method | LOD | LOQ | Results | Units |
|--|--|--------|--------|---------------------|------------------------|
| Calories -Calories from fat -Calories | Method of Analysis for Nutrition Labeling (1993) : 106 | - - | - - | 132 452 | kcal/100g kcal/100g |
| Fat | In house method LBAG-00110 based on AOAC(2016) 954.02,922.06,925.12,948.15 | - | - | 14.7 | g/100g |
| Cholesterol | In-house method SOP LBCH-00259 based on AOAC (2019) 994.10 , GC/FID | 0.10 | 0.50 | 332.38 | mg/100g |
| Carbohydrate -Carbohydrate -Available Carbohydrate | Method of Analysis for Nutrition Labeling (1993) : 106 | - - | - - | 7.0 Not detected | g/100g g/100g |
| Dietary Fiber | In house method LBAG-99103 based on AOAC(2016) 985.29 | - | - | 6.57 | g/100g |
| Total Sugar As Invert | In house method SOP LBAG-01141 based on AOAC (2016) 974.06 | 0.03 | 0.06 | 0.18 | g/100g |
| * Salt (calculate from sodium) | Calculation from Sodium | 0.004 | 0.01 | 0.46 | g/100g |
| | | | | | |

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| Test Items | Method | LOD | LOQ | Results | Units |
|------------------------|---|------|------|--------------|---------|
| Vitamin B1(Thiamin) | In house method SOP LBFD-00089 based on AOAC (2016) 942.23 | 0.05 | 0.08 | 0.09 | mg/100g |
| Vitamin B2(Riboflavin) | In house method SOP LBFD-00084 based on AOAC (2016) 970.65 | 0.05 | 0.08 | 2.55 | mg/100g |
| Sodium (Na) | In-house method SOP No. LBCH-13532 based on AOAC (2016) 999.10 and AOAC official method 2011.14 ICP-OES | 1.50 | 5.00 | 184 | mg/100g |
| Iron (Fe) | In-house method SOP No. LBCH-13532 based on AOAC (2016) 999.10 and AOAC official method 2011.14 ICP-MS | 0.01 | 0.07 | 9.00 | mg/100g |
| Calcium (Ca) | In-house method SOP No. LBCH-13532 based on AOAC (2016) 999.10 and AOAC official method 2011.14 ICP-OES | 0.60 | 2.00 | 130 | mg/100g |
| Vitamin A (as Retinol) | In-house method SOP LBFD-99076 based on Bull. Dept. Med. Sci. Vol.37 No.1 Jan-March 1995 : P.57-64 | 1.05 | 2.1 | Not detected | ug/100g |
| Saturated Fat | AOAC (2019) 996.06,GC/FID | - | 0.01 | 4.93 | g/100g |
| Protein (Nx6.25) | In-house method SOP LBAG-14002 based on AOAC (2016) 990.03,992.15,992.23 | - | - | 72.98 | g/100g |
| Vitamin B12 | In house method SOP LBFD-00114 based on AOAC(2016) 952.20 | 0.01 | 0.05 | 22.76 | ug/100g |

Remark : 1. LOD = "Limit of Detection"

2. Less than = Lower than LOQ "Limit of Quantitation"

3. The Available Carbohydrate test have lowest reporting limit 0.50 g/100g.

Test(s) marked * on this Report are not included in the BLQS DMSc Accreditation Scope.

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Accreditation No.1007/43

Test Report 4621937

Date : 11-Jun-2020

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Signed for and on behalf of
SGS (Thailand) Limited

Napaporn Thongthang
Acting - Multi Lab Manager

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

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