

Test Report 454305

Date : 18-Mar-2020

Page 1 of 2

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

Sample Name : Hot Air Oven powder Acheta Domesticus

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

SGS Sample No. : 469980

Sample Condition : Sample is sealed in an aluminium bag.

Qty.Submitted : 1 bag

Date Received : 2-Mar-2020 Date Commenced : 4-Mar-2020

Test Items	Method	LOD	LOQ	Results	Units
Calories	Method of Analysis for Nutrition Labeling (1993) : 106				
-Calories from fat		-	-	177	kcal/100g
-Calories		-	-	481	kcal/100g
Fat	In house method LBAG-00110 based on AOAC(2016) 954.02,922.06,925.12,948.15	-	-	19.7	g/100g
Cholesterol	In-house method SOP LBCH-00259 based on AOAC (2019) 994.10 , GC/FID	0.10	0.50	394.74	mg/100g
Carbohydrate	Method of Analysis for Nutrition Labeling (1993) : 106	-	-	7.9	g/100g
Dietary Fiber	In house method LBAG-99103 based on AOAC(2016) 985.29	-	-	7.42	g/100g
Total Sugar As Invert	In house method SOP LBAG-01141 based on AOAC (2016) 974.06	0.03	0.06	0.48	g/100g
Vitamin B1(Thiamin)	In house method SOP LBFD-00089 based on AOAC (2016) 942.23	0.05	0.08	0.11	mg/100g
Vitamin B2(Riboflavin)	In house method SOP LBFD-00084 based on AOAC (2016) 970.65	0.05	0.08	1.97	mg/100g

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Test Items	Method	LOD	LOQ	Results	Units
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	182	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	4.83	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	115	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	4.97	ug/100g
Saturated Fat	AOAC (2019) 996.06,GC/FID	-	0.01	6.99	g/100g
Protein (Nx6.25)	In-house method SOP LBAG-14002 based on AOAC (2016) 990.03,992.15,992.23	-	-	67.9	g/100g
Vitamin B12	In house method SOP LBFD-00114 based on AOAC(2016) 952.20	0.01	0.05	29.02	ug/100g

Remark : 1. LOD = *Limit of Detection*
 2. Less than = Lower than LOQ "Limit of Quantitation"

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