

**Test Report** 5906690

Date : 5-Jun-2024

Page 1 of 4

**Client : Siam Organic Food Products Co.,Ltd**  
**32/1 Moo 3**  
**Thatalat, Sam Phran, Nakhonpathom 73110 Thailand**

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

Sample Name : Organic Refined Cane sugar  
Lot : ORFCB0011240  
MFD : 06-01-2024  
BB : 06-01-2027

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

SGS Sample No. : 6200149  
Sample Condition : Sample is sealed in an aluminium bag.  
Qty.Submitted : 1 bag  
Date Received : 10-May-2024 Date Commenced: 14-May-2024

Test Items	Method	LOD	LOQ	Results	Units
Polarization	ICUMSA GS 2/3-1 (2011)	-	-	99.91	Degree Z
Moisture	ICUMSA GS2/1/3/9-15 (2007)	-	-	0.04	%
Colour	ICUMSA GS2/3-10 (2011)	-	-	21	IU
* Reducing Sugar	ICUMSA GS2/3/9-5 (2011)	-	0.002	0.012	%
* Conductivity Ash	ICUMSA GS2/3/9-17(2011)	-	-	0.0066	%
* Sediment	ICUMSA GS2/3/9-19 (2007)	-	4.00	4.00	mg/kg
* Grain size -Grain size(C.V.)	ICUMSA GS2/9-37 (2007)	-	-	33.59	%

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**Test Report 5906690**

Date : 5-Jun-2024

Page 2 of 4

Test Items	Method	LOD	LOQ	Results	Units
-Grain size(M.A.)		-	-	0.64	mm
Sulphur dioxide (SO <sub>2</sub> )	In-house Method SOP No. LBFD-97016 in connection with FAO Manual of Food Quality Control.1986,Vol.14/7 Page 62-64,AOAC (2019) 961.09 and AOAC (2019) 962.16	2.5	10	Not detected	mg/kg
* Lead (Pb)	Based on ICUMSA GS2/3-24 (1998) ( ICP-MS )	0.03	0.10	Not detected	mg/kg
* Copper (Cu)	Based on ICUMSA GS2/3-29 (2007)	0.06	0.2	Not detected	mg/kg
Tin (Sn)	In-house method SOP No. LBCH-13532 based on AOAC (2019) 999.10 and 2011.14	0.01	0.35	Not detected	mg/kg
Mercury (Hg)	In-house method SOP LBCH-08480 based on USEPA,February 2007,Method 7473, Mercury Analyzer	0.004	0.01	Not detected	mg/kg
Zinc (Zn)	In-house method SOP No. LBCH-13532 based on AOAC (2019) 999.10 and 2011.14	0.20	1.00	Not detected	mg/kg
* Antimony (Sb)	Based on AOAC (2019) 999.10	0.30	1.00	Not detected	mg/kg
Cadmium (Cd)	In-house method SOP No. LBCH-13532 based on AOAC (2019) 999.10 and 2011.14	0.01	0.03	Not detected	mg/kg

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# Test Report 5906690

Date : 5-Jun-2024

Page 3 of 4

Test Items	Method	LOD	LOQ	Results	Units
* <i>Shigella</i> spp.	Compendium of Methods for the Microbiological Examination of Foods (APHA) ,5th ed.,2015,Chapter 37	-	-	Not detected	Per 25g
<i>Clostridium perfringens</i>	FDA BAM Online, 2001 (Chapter 16)	-	-	Less than 10	CFU/g
<i>Bacillus cereus</i>	FDA BAM Online,2020 (Chapter 14)	-	-	Less than 10	CFU/g
<i>Salmonella</i> spp.	ISO 6579-1 : 2017/Amd.1:2020	-	-	Not detected	Per 25g
* <i>Streptococcus</i> spp.	TIS 56 : 2533	-	-	Not detected	Per 0.1g
<i>Staphylococcus aureus</i>	FDA BAM Online,2016 (Chapter 12)	-	-	Less than 3	MPN/g
Coliforms	FDA BAM Online,2020 (Chapter 4)	-	-	Less than 3	MPN/g
<i>E.coli</i>	FDA BAM Online,2020 (Chapter 4)	-	-	Less than 3	MPN/g
* Yeasts	ICUMSA, GS2/3-47 (2015)	-	-	Less than 1	CFU/10g
Arsenic (As)	In-house method SOP No. LBCH-13532 based on AOAC (2019) 999.10 and 2011.14	0.01	0.03	Not detected	mg/kg
* Mold	ICUMSA, GS2/3-47 (2015)	-	-	Less than 1	CFU/10g

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## Test Report 5906690

Date : 5-Jun-2024

Page 4 of 4

Remark : 1. LOD = "Limit of Detection"

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

Test(s) marked \* on this Report are not included in the BLQS DMS, NSC-ONSC Accreditation Scope.

Signed for and on behalf of  
SGS (Thailand) Ltd.

*Porn P.*

Porn Poopetch  
Acting General Chemical Laboratory Manager

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

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