



Accreditation No. 1031/47

Analysis / Test Report

Client : Northern Food Complex Co., Ltd.
99/3 Moo 1, Chiangrai - Dongmada Rd., Maekorn, Muang, Chiangrai Thailand 57000
P/O : PO-6606-0150
Project Name :
Project Location :

Lot ID: 2370310

Date Received : Jun 17, 2023

Date Reported : Jun 24, 2023

Report Number : 2688197-1

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Sample Number 2370310-1
Sampled Date Jun 14, 2023
Sample Description Johin miso/ Johin Dark miso/ Organic Fairtrade Unpasteurized Miso / Johin Pasteurized Miso /Organic Fairtrade Pasteurized shiro miso / Organic Fairtrade Pasteurized Genmai /Organic Fairtrade Pasteurized genmai miso with kombu /Pasteurized shiro miso/ Seasoning miso
Date Analysis Commenced Jun 19, 2023
Condition of Sample Packed in two glass bottles

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Aflatoxin Testing						
Aflatoxin B1	ug/kg	0.80	2.0	Not Detected	In-house method STM No.03-038 based on AOAC (2019), 991.31	Bangkok
Aflatoxin B2	ug/kg	0.24	0.60	Not Detected	In-house method STM No.03-038 based on AOAC (2019), 991.31	Bangkok
Aflatoxin G1	ug/kg	0.80	2.0	Not Detected	In-house method STM No.03-038 based on AOAC (2019), 991.31	Bangkok
Aflatoxin G2	ug/kg	0.24	0.60	Not Detected	In-house method STM No.03-038 based on AOAC (2019), 991.31	Bangkok
Total Aflatoxins	ug/kg	0.80	2.0	Not Detected	In-house method STM No.03-038 based on AOAC (2019), 991.31	Bangkok
Metals Testing						
Arsenic	mg/kg	0.005	0.10	<0.10	In-house method, STM No. 05-040 based on AOAC (2019) 2011.19	Bangkok
Cadmium	mg/kg	0.004	0.03	<0.03	In-house method, STM No. 05-040 based on AOAC (2019) 2011.19	Bangkok
Copper	mg/kg	0.03	0.10	3.62	In-house method, STM No. 05-040 based on AOAC (2019) 2011.19	Bangkok
Lead	mg/kg	0.03	0.30	Not Detected	In-house method, STM No. 05-040 based on AOAC (2019) 2011.19	Bangkok
Mercury	mg/kg	0.001	0.005	Not Detected	In-house method, STM No. 05-045 based on United States Environmental Protection Agency (EPA), 2007, Method 7473	Bangkok
Tin	mg/kg	0.01	1.00	Not Detected	In-house method, STM No. 05-040 based on AOAC (2019) 2011.19	Bangkok
Zinc	mg/kg	0.01	0.30	17.2	In-house method, STM No. 05-040 based on AOAC (2019) 2011.19	Bangkok
Synthetic Colorants						
Allura Red (E129) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok
Amaranth (E123) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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Date Analysis Commenced Jun 19, 2023
Condition of Sample Packed in two glass bottles

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Synthetic Colorants						
Brilliant black (E151) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok
Brilliant blue (E133) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok
Brilliant green (E142) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok
Carmoisine (E122) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok
Erythrosine (E127) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok
Fast green (E143) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok
Indigocarmine (E132) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok
Patent blue (E131) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok
Ponceau 4R (E124) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok
Quinoline yellow (E104) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok
Sunset Yellow (E110)	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok
Tartrazine (E102) *	mg/kg	0.3	1.0	Not Detected	In-house method STM No. 03-101 based on Eur Food ResTechnol (2005) 00, DOI 10, 1007/s00217-005-0157-0, Germany	Bangkok

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Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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