


NO: SAMM 264

Page: 1 of 3

LABORATORY LOCATION/ CENTRAL OFFICE:	Analytical Services Laboratory, Malaysian Cocoa Board Lot 12621, Kawasan Perindustrian Nilai 71800 Nilai, Negeri Sembilan , 71800, NEGERI SEMBILAN MALAYSIA
	
ACCREDITED SINCE :	16 JUNE 2025
FIELD(S) OF TESTING:	CHEMICAL MICROBIOLOGY

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

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FIELD(S) OF TESTING :	CHEMICAL, MICROBIOLOGICAL

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Chocolate	Fat Content	Page 8a-E/1972/Soxhlet
	Moisture Content	IOCCC 105-1988/ Karl Fischer
	pH	MS1119:1988/pH Meter
	None	None
	None	based on Romer-™s Lateral Flow
Cocoa Beans	pH	MS1119:1988/pH Meter
	Moisture Content	MS293:1984/Oven Method
	Fat Content	Page 8a-E/1972/Soxhlet
Cocoa Beans And	Ochratoxin A (0.5 -" 20ug/kg)	In-house method TM 06.05 based
Cocoa Beans And Cocoa	Pesticide residues	TM 06.02 In-house method

NO: SAMM 264

Page: 2 of 3

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Cocoa Beans And Cocoa Products	Heavy metals: Arsenic/Cadmium/Mercury/ Plumbum/Antimony	In-house method TM 06.01: Microwave digestion technique prior to quantification using Inductively Coupled Plasma Mass Spectrometry (ICP-MS)
Cocoa Butter	Moisture Content	ISO 8534: 1996(E)/Karl Fischer
	Melting Point (Slip Point)	ISO 6321:1991(E)/Capillary Tube
	Melting Profile, melting point	Ali and Dimick, March 1994, JAOCS, Vol. 71, no. 3, Page 299- 302/DSC
	UV Extinction Value	8d-E:1973 / UV Spectrophotometer
	pH	MS1119:1988/pH Meter
	Iodine Value	AOCS Official Method Cd 1d-92 (1997)
	Free Fatty Acid	MS 1119:1988
Cocoa Liquor	pH	MS1119:1988/pH Meter
Cocoa Powder	pH	MS1119:1988/pH Meter
	Moisture Content	MS1119:1988/Oven
	Fat Content	IOCC Page 8a-E/1972/Soxhlet
	Ash Content	AOAC Official Method of Analysis
	None	None
	Coliforms (Enumeration of the	FDA/BAM Chapter 4, Sept 2002
	None	None
Powder	(Isoproc carb, Propoxur, Quinalphos,	based on JAOAC Int., 2003, 86 (2), 412-431
	None	None
	None	None

SCOPE OF TESTING : MICROBIOLOGY

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Cocoa And	Enumeration of Escherichia	In-house Method TM (M)-07 based
Cocoa And Cocoa Products	Enumeration of colony forming units of	IOCCC 188:1990/ISO 4833
	Enumeration of Colony Forming Units of Microorganisms-using Compact Dry NISSUI Technique at 35°C in cocoa and cocoa products.	In-house Method TM (M) -05 based on: NISSUI Compact Dry TC -" AOAC Performance Tested Method (010401)
	Enumeration of Yeasts and Moulds - using Compact Dry NISSUI at 25°C in cocoa and	In-house Method TM (M)-06 based on:

Schedule

Issue date: 16 June 2025
Valid Until: -



NO: SAMM 264

Page: 3 of 3

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Mercury	In-house method CCF-04, based on AOAC 971.21 and APHA 3120
	Arsenic	In-house method CCF-05, based on
	None	Based on MS 1194:1991 and Food
	Energy (kcal/100g or/and	In-House Method CLWI-TEC-F024
	None	None
	None	None
	None	None
	None	None
	None	1985
	None	& Analysis of Foods, 1991
	None	None
	None	F038 by HPLC with
Cocoa Products	Aflatoxin G1 (0.5 -"	on JAOAC Int.,2003, 86(2),412-431 (LC-QTOF-MS)
	coli- Colony Count Technique using Compact Dry NISSUI at	on:
	Ash	In-house method DCH-WI-QA102:
	None	None
	Moisture	AOAC 931.04

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