


Schedule

Issue date: 02 March 2026
Valid Until: -



NO: SAMM 020

(Issue 3, 02 March 2026 replacement of SAMM 020 dated 29 October 2025)

LABORATORY LOCATION/ CENTRAL OFFICE:	Biochem Laboratories Sdn Bhd 101-07-03 Menara Perdana Jalan Gurdwara, Georgetown 10300 Pulau Pinang , 10300, PULAU PINANG MALAYSIA
	
ACCREDITED SINCE :	18 MARCH 2025
FIELD(S) OF TESTING:	CHEMICAL CHEMICAL

<p>This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).</p> <p>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).</p>	
CENTRAL LOCATION:	Biochem Laboratories Sdn Bhd 101-07-03 Menara Perdana Jalan Gurdwara, Georgetown 10300 Pulau Pinang , 10300, Pulau Pinang
FIELD(S) OF TESTING :	CHEMICAL, CHEMICAL

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Materials And Articles In Contact With Foodstuffs Total Immersion, Pouch And Article Filling	Overall migration into vegetable oils	EN 1186-2: 2022

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Materials And Articles In Contact With Foodstuffs Total Immersion, Pouch And Article Filling	Specific migration of heavy metals in 3% acetic acid Aluminium (Al) Ammonium (NH ₄) Antimony (Sb) Arsenic (As) Barium (Ba) Cadmium (Cd) Calcium (Ca) Chromium (Cr) Cobalt (Co) Copper (Cu) Europium (Eu) Gadolinium (Gd) Iron (Fe) Lanthanum (La) Lead (Pb) Lithium (Li) Magnesium (Mg) Manganese (Mn) Mercury (Hg) Nickel (Ni) Potassium (K) Sodium (Na) Terbium (Tb) Zinc (Zn)	BS EN 13130-1: 2004

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Materials And Articles In Contact With Foodstuffs Total Immersion, Pouch And Article Filling	Overall migration into vegetable oils	EN 1186-2: 2022

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Materials And Articles In Contact With Foodstuffs Total Immersion, Pouch And Article Filling	Specific migration of heavy metals in 3% acetic acid Aluminium (Al) Ammonium (NH ₄) Antimony (Sb) Arsenic (As) Barium (Ba) Cadmium (Cd) Calcium (Ca) Chromium (Cr) Cobalt (Co) Copper (Cu) Europium (Eu) Gadolinium (Gd) Iron (Fe) Lanthanum (La) Lead (Pb) Lithium (Li) Magnesium (Mg) Manganese (Mn) Mercury (Hg) Nickel (Ni) Potassium (K) Sodium (Na) Terbium (Tb) Zinc (Zn)	BS EN 13130-1: 2004

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Scheduled Wastes Solid, Semi-solid And Liquid	Reactivity pH/Corrosivity Arsenic (As) Cadmium (Cd) Copper (Cu) Lead (Pb) Nickel (Ni) Zinc (Zn) Chromium (Cr) Mercury (Hg) Iron (Fe) Barium (Ba) Silver (Ag)	USEPA CFR 40 Chapter 1-261.23 (Characteristic of Reactivity) USEPA 9045D USEPA 3052 & USEPA 6010D USEPA 3050B & USEPA 6010D ASTM D93 ASTM D5468

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Calcium (Ca) Tin (Sn) Platinum (Pt) Palladium (Pd) Gold (Au) Aluminium (Al) Cobalt (Co) Selenium (Se) Vanadium (V) Beryllium (Be) Tellurium (Te) Thorium (Th) Thallium (Tl) Manganese (Mn) Molybdenum (Mo) Antimony (Sb) <hr/> Arsenic (As) Cadmium (Cd) Copper (Cu) Lead (Pb) Nickel (Ni) Zinc (Zn) Chromium (Cr) Mercury (Hg) Iron (Fe) Barium (Ba) Silver (Ag) Calcium (Ca) Tin (Sn) Platinum (Pt) Palladium (Pd) Gold (Au) Aluminium (Al) Cobalt (Co) Selenium (Se) Vanadium (V) Beryllium (Be) Tellurium (Te) Thorium (Th) Thallium (Tl) Manganese (Mn) Molybdenum (Mo) Antimony (Sb) <hr/> Flash point <hr/> Calorific value	
Scheduled Wastes Solid, Semi-solid	Water / Moisture Content	ASTM D2216

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Scheduled Wastes Solid	Range of particle size >2.00mm 2.00mm 1.40mm 850um 425um 250um 106um 75um <75um	ASTM D422
Scheduled Wastes Liquid	Water/Moisture Content Specific gravity Sediment	USEPA 9000 ASTM D891 (Method B) ASTM D473
Potable Water	Aluminium (Al) Antimony (Sb) Arsenic (As) Barium (Ba) Boron (B) Cadmium (Cd) Chromium (Cr) Copper (Cu) Iron (Fe) Lead (Pb) Magnesium (Mg) Manganese (Mn) Mercury (Hg) Nickel (Ni) Selenium (Se) Silver (Ag) Sodium (Na) Zinc (Zn)	APHA 3125B
Foods Coffee And Coffee Products, Tea And Tea Products	Caffeine	In House Method NBLC-11(I) based on BS ISO 20481:2008
Foods Cereal And Cereal Products, Cocoa And Cocoa Products, Dairy Products, Flour And Confectionary, Meat And Meat Products, Non-alcoholic Beverages, Nuts/fruits/vegetables And Derived Products, Sauces/herbs/spices And Condiments, Frozen Food	Total Sugar Reducing Sugar <u>Sugar Profile</u> Fructose Glucose Sucrose Maltose Lactose	In House Method NBLC-12(I) based on AOAC 982.14

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Foods Cereal And Cereal Products, Cocoa And Cocoa Products, Dairy Products, Fish And Fish Products, Flour And Confectionary, Meat And Meat Products, Non-alcoholic Beverages, Nuts/fruits/vegetables And Derived Products, Sauces/herbs/spices And Condiments, Frozen Food	Available Carbohydrate	FAO Food and Nutrition Paper 77, Chapter 2
Foods Canned Food, Cereal And Cereal Products, Cocoa And Cocoa Products, Dairy Products, Flour And Confectionary, Frozen Food, Fish And Fish Products, Meat And Meat Products, Nuts/fruits/vegetables And Derived Products, Sauces/herbs/spices And Condiments	Water Activity	In House Method NBLC-13(I) based on ISO 18787: 2017

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Scheduled Wastes Solid, Semi-solid And Liquid	Reactivity	USEPA CFR 40 Chapter 1-261.23 (Characteristic of Reactivity)
	pH/Corrosivity	USEPA 9045D
	Arsenic (As)	USEPA 3052 & USEPA 6010D
	Cadmium (Cd)	USEPA 3050B & USEPA 6010D
	Copper (Cu)	ASTM D93
	Lead (Pb)	ASTM D5468
	Nickel (Ni)	
	Zinc (Zn)	
	Chromium (Cr)	
	Mercury (Hg)	
	Iron (Fe)	
	Barium (Ba)	
	Silver (Ag)	
	Calcium (Ca)	
Tin (Sn)		
Platinum (Pt)		
Palladium (Pd)		
Gold (Au)		
Aluminium (Al)		

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Cobalt (Co) Selenium (Se) Vanadium (V) Beryllium (Be) Tellurium (Te) Thorium (Th) Thallium (Tl) Manganese (Mn) Molybdenum (Mo) Antimony (Sb) <hr/> Arsenic (As) Cadmium (Cd) Copper (Cu) Lead (Pb) Nickel (Ni) Zinc (Zn) Chromium (Cr) Mercury (Hg) Iron (Fe) Barium (Ba) Silver (Ag) Calcium (Ca) Tin (Sn) Platinum (Pt) Palladium (Pd) Gold (Au) Aluminium (Al) Cobalt (Co) Selenium (Se) Vanadium (V) Beryllium (Be) Tellurium (Te) Thorium (Th) Thallium (Tl) Manganese (Mn) Molybdenum (Mo) Antimony (Sb) <hr/> Flash point <hr/> Calorific value	
Scheduled Wastes Solid, Semi-solid	Water / Moisture Content	ASTM D2216

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Scheduled Wastes Solid	Range of particle size >2.00mm 2.00mm 1.40mm 850um 425um 250um 106um 75um <75um	ASTM D422
Scheduled Wastes Liquid	Water/Moisture Content Specific gravity Sediment	USEPA 9000 ASTM D891 (Method B) ASTM D473
Potable Water	Aluminium (Al) Antimony (Sb) Arsenic (As) Barium (Ba) Boron (B) Cadmium (Cd) Chromium (Cr) Copper (Cu) Iron (Fe) Lead (Pb) Magnesium (Mg) Manganese (Mn) Mercury (Hg) Nickel (Ni) Selenium (Se) Silver (Ag) Sodium (Na) Zinc (Zn)	APHA 3125B
Foods Coffee And Coffee Products, Tea And Tea Products	Caffeine	In House Method NBLC-11(I) based on BS ISO 20481:2008
Foods Cereal And Cereal Products, Cocoa And Cocoa Products, Dairy Products, Flour And Confectionary, Meat And Meat Products, Non-alcoholic Beverages, Nuts/fruits/vegetables And Derived Products, Sauces/herbs/spices And Condiments, Frozen Food	Total Sugar Reducing Sugar <u>Sugar Profile</u> Fructose Glucose Sucrose Maltose Lactose	In House Method NBLC-12(I) based on AOAC 982.14

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Foods Cereal And Cereal Products, Cocoa And Cocoa Products, Dairy Products, Fish And Fish Products, Flour And Confectionary, Meat And Meat Products, Non-alcoholic Beverages, Nuts/fruits/vegetables And Derived Products, Sauces/herbs/spices And Condiments, Frozen Food	Available Carbohydrate	FAO Food and Nutrition Paper 77, Chapter 2
Foods Canned Food, Cereal And Cereal Products, Cocoa And Cocoa Products, Dairy Products, Flour And Confectionary, Frozen Food, Fish And Fish Products, Meat And Meat Products, Nuts/fruits/vegetables And Derived Products, Sauces/herbs/spices And Condiments	Water Activity	In House Method NBLC-13(I) based on ISO 18787: 2017

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