

NO: SAMM 752

Page: 1 of 8

LABORATORY LOCATION/ CENTRAL OFFICE:	My CO2 (JB) Sdn. Bhd. 15, Jalan Molek 1/8 Taman Molek 81100 Johor , 81100, JOHOR MALAYSIA
	
ACCREDITED SINCE :	06 APRIL 2025
FIELD(S) OF TESTING:	CHEMICAL

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).

CENTRAL LOCATION:	My CO2 (JB) Sdn. Bhd. 15, Jalan Molek 1/8 Taman Molek 81100 Johor , 81100, Johor
FIELD(S) OF TESTING :	CHEMICAL,

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Boiler Water, Swimming Pool Water & Spa, Surface Water, Drinking Water, Industrial Effluent, Sewage & Waste Water, River Water, Cooling Tower Water, And	Chloride	APHA 4500 -" Cr D (2005)
	Turbidity	APHA 2130 B (2005)
	Hardness	APHA 2340 C (2005)
Canned Food	Thermophilic Bacteria	FDA -" BAM Chapter 21
	Anaerobic Organisms	FDA -" BAM Chapter 21
	Leakage Organisms	FDA -" BAM Chapter 21
	Water Activity	BS ISO 21807:2004
	Thermophilic Flat Sour Sporeformers	Chapter 25, Compendium of
	Vitamin D2 (ergocalciferol)	by UHPLC
	None	FDA/BAM Chapter 3, Jan 2001
	None	None

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 752

Page: 2 of 8

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	Analysis for Nutrition Labeling,
Cooling Purposes, Steam Raising / Boiler Water, Swimming Pool Water & Spa, Surface Water,	Dissolved Oxygen	APHA 4500- OG (2005)
	Chemical Oxygen Demand (COD)	APHA 5220 D (2005)
Drinking Water, Industrial Effluent, Sewage & Waste	Suspended Solid	APHA 2540 D (2005)
Drinking Water, Portable	Mercury	In house MY/STP/402 based on
Drinking Water, Portable Water, Raw Water, Sewage, Industrial Effluent, Surface Water And Waste Water	Conductivity	APHA 2510B (2005)
	Colour	APHA 2120B (2005)
Industrial Effluent And Waste	None	None
Industrial Effluent, Surface	None	None
Nutritional And Dietary Supplement, Pharmaceutical, Traditional Herbal Medicine, Toiletries And Cosmetic.	E.coli	BP 2020 (Appendix XVI B & F)
	Salmonella	BP 2020 (Appendix XVI B & F)
	Staphylococcus aureus	BP 2020 (Appendix XVI B)
	Bile-tolerant gram-negative bacteria / Enterobacteriaceae	BP 2020 (Appendix XVI B & F)
	Pseudomonas aeruginosa	BP 2020 (Appendix XVI B)
	Total Aerobic Microbial Count -" Plate Count Method	BP 2020 (Appendix XVI B)
	Total Yeast & Mould Count -" Plate Count Method	BP 2020 (Appendix XVI B)
Pool Water, Ice Water, Steam Water	Temperature	APHA 2550 B (2005)
Portable Water, Ice Water, Drinking Water, Reverse Osmosis Water, Mineral Water, Steam Water	Organochlorine Pesticide -" Aldrin e Gamma-BHC Heptachlor	None
Raw Water, Sewage,	COD (Titration)	APHA 5220 C (2005)
Swimming Pool Water, Ice Water, Steam Water	Nitrite	APHA 4500-NO2 B (2005)
Water	None	None
	pH	APHA - B
	Escherichia coli and Coliform	ISO 9308-1:2014 (E) / Enumeration by
	Bisphenol A	In-house test method MKA TMO6 based
	Total Hardness	HACH Method 8226, 8" Edition, 2015
	Hardness by Calculation	APHA 2340 B & In-house test method
	Color	HACH Method 8025, Edition, 2014
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 752

Page: 3 of 8

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	None
	Determination of pH	APHA 4500-H* B, 2005
	Determination of chloride	APHA 4500-Cl B, 2005
	Determination of sulphate	APHA B, 2005
	Determination of alkalinity	APHA 2320 B, 2005
	Determination of total solids	APHA 2540 B, 2005
	pH	APHA 4500 H*B
	Color	APHA 2120 C (2017)
	Heterotrophic Plate Count	APHA 9215 B (2017)
	Standard Total Coliform	APHA 9221 B (2017)
	Escherichia coli	APHA 9221 F (2017)
	Examination for Legionella spp.	AS/NZS 3896:2008
	pneumophila	None
	Staphylococcus aureus count	APHA 9213 B (2017)
	Fecal Streptococcus	APHA 9230 C (2017)
	Pseudomonas aeruginosa	APHA 9213 F (2017)
	Identification of Escherichia coli	In-house Method GPS/QA/TM/001
	Identification of Shiga-toxigenic	In-house Method GPS/QA/TM/004
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Ammonia	ASTM D1293
	None	None
	None	None
	None	None
	and Escherichia coli	None
	None	filtration)
	Clostridium perfringens	ISO 14189: 2013 (E)
	None	None
	None	None
	None	None
	None	(2005)
	None	21% Edition (2005)
	Colour	APHA 2120 C 2005
	Determination of Volatile	Method EPA 524.2 By Purge & Trap
	Oxygen Demand (COD) for High	APHA Method 5220D
	None	In-house Method JKM W 0502,

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 752

Page: 4 of 8

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	on APHA 4110 B-"lon
	Colony Count at 36°C	JKM M 2038, ISO 6222:1999 (E)
	Intestinal Enterococci	i) WI 16 -" Sample Preparation for
	Enumeration of Clostridium	JKM M 2035
	Detection of pathogenic	JKM B 0201 Detection of pathogenic
	Identification and Quantification	JKM B 0406
	pH	APHA - 4500-H B
	None	None
	None	None
	None	None
	None	None
	Boron	HACH METHOD 8015
	None	None
	E. coli	APHA 9221 F (MPN Method)
	None	None
	Total Organic Carbon	APHA 5310 C
	Heterotropic plate count	APHA 9215 B, 22"4 Edition (2012)
	None	(Membrane Filtration Technique)
	None	None
	Metals by ICP	None
	None	None
	None	None
	None	None
	None	None
	None	None
	pH	ASTM D 1293-2005 (Method B) APHA 4500 H* B 2005/2017
	pH	ASTM D1293-2005 (Method B) APHA 4500 H* B 2005/2017
	None	None
	Turbidity	APHA 2130B
	On-site Sampling & Testing (pH Temperature, Turbidity)	In-house Method SOP-0222-2001 & SOP-0222-2003
	Coliform	APHA 9221 B, Edition, 2005
	Heterotrophic plate count in	APHA Method 9215 D, Edition,
	None	None
	None	None
	pH Value	BS 1377-3 : 2018 Clause 12
	pH Value	BS 1377-3 : 2018 Clause 12
	None	None
	Calcium Hardness as CaCO ₃ , Magnesium (by Calculation Method)	APHA 3500-Ca B, 2017 APHA 3500-Mg B, 2017
	Nitrate	APHA E, 2017
	None	None
	None	None
	None	None

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 752

Page: 5 of 8

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Aluminium	None
	None	None
	Organochlorine Pesticide	APHA 6630 B, Edition
	Ammoniacal Nitrogen	APHA F, 24" Edition
	Arsenic	APHA 3125 B, Edition
	Mercury	In-house method, SGS-TM-ENVI-003, based on APHA 3125 B
	2,4-dichlorophenoxyacetic acid (2,4-D)	In-house method, SGS-TM-02-045, based on Agilent Application Note 5991-5731 EN (LCMSMS)
	Heavy Metals by ICP-MS	None
	Endotoxin	Test for Bacterial Endotoxin, BP 2022
	pH	APHA 4500 H*B
	Oil & Grease	APHA 5520 B
	Color	APHA 2120 B
	Color	APHA 2120 F
	pH	APHA 4500 H* B
	Turbidity	APHA 2130 B
	Conductivity	APHA 2510 B
	None	None
	None	None
	None	None
	Escherichia coli and coliform	ISO 9308-1: 2014 (E) / Enumeration
	Pseudomonas aeruginosa	ISO 16266:2006 (E) / Detection and
	Ammonium nitrogen	BS 6068: Section 2.7:1984 ISO 5664:1984
	Chemical Oxygen Demand	BS 6068: Section 2.34:1988
	Suspended solids	BS 2690-Part 120:1981
	Dissolved solids	BS 2690-Part 121:1981
	None	ASTM D 523-82
	COD	APHA 5220 D
	None	None
	Free Chlorine	APHA' 4500 -" CI G
	Count	(Pour Plate, Spread Plate and
	Anaerobes (Clostridia)	BS 6068-4:9: 1993
	Gross Alpha & Gross Beta	None

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 752

Page: 6 of 8

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Arsenic as As	None
	Antimony as Sb	None
	Aluminium as Al	None
	Beryllium as Be	None
	Cadmium as Cd	None
	Chromium as Cr	None
	Lead as Pb	None
	Silver as Ag	None
	Selenium as Se	None
	Thallium as Tl	None
	Mercury as Hg	In-house Method LWI-MWE 037 based on APHA 3112 B by
	Mercury as Hg	Mercury Analyser
	Nitrate	In-house Method LWI-MWE 032 based on HACH Nitrate
	Nitrate	Test Comparator
	Sulfide	HACH Method 8131
	Chlorine, Free Residual	In-house Method LWI-MWE
	Chlorine, Free Residual	034 based on DPD-Palintest
	Chlorine, Free Residual	Test Comparator
	Total Chlorine	In-house Method LWI-MWE
	Total Chlorine	035 based on DPD-Palintest
	Total Chlorine	Test Comparator
	Colour (ADMI)	APHA 2120 F
	Heterotrophic Plate Count	None
	Pseudomonas aeruginosa	In-house Method LWI-MME (APHA) 007
	Pseudomonas aeruginosa	based on APHA 9213 E, 2020
	Escherichia coli and Coliform	Escherichia coli and Coliform Bacteria. Part 1: Membrane filtration
	Escherichia coli and Coliform	method
	Escherichia coli and Coliform	Method No: MOH (1)
	Escherichia coli and Coliform	ISO 29981 : 2010 (E), IDF 220 :
	Escherichia coli and Coliform	2010 (E) Milk Products -
	None	None
	None	None
	None	None
	None	None
Water And Waste Water	None	None
	Chemical Oxygen Demand	HACH 8000-2021
	Manganese	In-house Method, Ref. No. H05, based on
	pH	APHA 4500-H ⁺ B: 23 Ed.
	Turbidity	APHA 2130 B: 23 rd Ed.
	Chlorine, Free ? Medium Range	In-house Method, Ref. No. H20, based on HACH 10245, Edition 9

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 752

Page: 7 of 8

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Manganese	n-house Method, Ref. No. H05, based on HACH 8149
	Aluminium	n-house Method, Ref. No H01 based on HACH 8326
Water -" Potable & Domestic Water, Ground Water, Mineral Water, Reverse Osmosis Water, Industrial /	pH	APHA 4500 -" H* B (2005)
	Biological Oxygen Demand (BOD)	APHA 5210 - B (2005)
Water -" Potable & Domestic Water, Ground Water, Mineral Water, Reverse Osmosis Water, Industrial / Cooling Purposes, Steam Raising /	Ammonia/ Nitrogen	APHA 4500 NHs3 B & C (2005)
	Colour(ADMI)	APHA 2120 F (2005)
	Anionic surfactant-Detergent MBAS	APHA 5540C (2005)
Water -" Potable & Domestic Water, Ground Water, Mineral Water, Reverse Osmosis Water, Industrial / Cooling Purposes, Steam Raising / Boiler Water, Swimming Pool Water & Spa, Surface Water, Drinking Water, Industrial Effluent, Sewage & Waste Water, River Water, Cooling Tower Water, And Swimming Pool Water, Ice Water, Steam Water	Sulfide	APHA 4500 -" D (2005)
	Tin,Strontium,Lithium	MY/STP/225 based on APHA 3120B (2005) & APHA 3030 F (2005)
	Antimony	APHA 3030 F (2005) & APHA 3120 B (2005)
	Aluminium	APHA 3030 F (2005) & APHA 3120 B (2005)
	Arsenic	APHA 3030 F (2005) & APHA 3120 B (2005)
	Barium	APHA 3030 F (2005) & APHA 3120 B (2005)
	Beryllium	APHA 3030 F (2005) & APHA 3120 B (2005)
	Boron	APHA 3030 F (2005) & APHA 3120 B (2005)
	Cadmium	APHA 3030 F (2005) & APHA 3120 B (2005)
	Calcium	APHA 3030 F (2005) & APHA 3120 B (2005)
	Total Chromium	APHA 3030 F (2005) & APHA 3120 B (2005)
	Cobalt	APHA 3030 F (2005) & APHA 3120 B (2005)
	Copper	APHA 3030 F (2005) & APHA 3120 B (2005)
	Iron	APHA 3030 F (2005) & APHA 3120 B (2005)
	Lead	APHA 3030 F (2005) & APHA 3120 B (2005)
	Magnesium	APHA 3030 F (2005) & APHA 3120 B (2005)
	Manganese	APHA 3030 F (2005) & APHA 3120 B (2005)

Schedule

Issue date: 06 April 2025
Valid Until: -



NO: SAMM 752

Page: 8 of 8

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Molybdenum	APHA 3030 F (2005) & APHA 3120 B (2005)
	Nickel	APHA 3030 F (2005) & APHA 3120 B (2005)
	Potassium	APHA 3030 F (2005) & APHA 3120 B (2005)
	Selenium	APHA 3030 F (2005) & APHA 3120 B (2005)
	Silver	APHA 3030 F (2005) & APHA 3120 B (2005)
	Silicone	APHA 3030 F (2005) & APHA 3120 B (2005)
	Sodium	APHA 3030 F (2005) & APHA 3120 B (2005)
	Thallium	APHA 3030 F (2005) & APHA 3120 B (2005)
	Vanadium	APHA 3030 F (2005) & APHA 3120 B (2005)
	Zinc	APHA 3030 F (2005) & APHA 3120 B (2005)
Water, Raw Water, Sewage,	None	APHA 3030F, 3114C & 3120B (2005)
Water, River Water, Cooling Tower Water, And	Oil and Grease	APHA 5520 B (2005)

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