



CERTIFICATE OF ACCREDITATION

This is to attest

CARIBBEAN INDUSTRIAL RESEARCH INSTITUTE (CARIRI)

UWI CAMPUS
ST. AUGUSTINE, TRINIDAD AND TOBAGO

Testing Laboratory TL-397

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date September 5, 2024



International Accreditation Service
Issued under the authority of IAS management

IAS is an ILAC MRA Signatory

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SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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CARIBBEAN INDUSTRIAL RESEARCH INSTITUTE (CARIRI)

www.cariri.com

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Contact Phone +868-299-0210

Accredited to ISO/IEC 17025:2017

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CMT	
ASTM C39	Standard test method for compressive strength of cylindrical concrete specimens
ASTM C117	Standard test method for materials finer than 75-µm (no. 200) sieve in mineral aggregates by washing
ASTM C127	Standard test method for relative density (specific gravity) and absorption of coarse aggregate
ASTM C128, section 9.2	Standard test method for relative density (specific gravity) and absorption of fine aggregate
ASTM C136	Standard test method for sieve analysis of fine and coarse aggregates
ASTM D698	Standard test methods for laboratory compaction of soil standard effort
ASTM D1557	Standard test methods for laboratory compaction of soil modified effort
BS 1377 Part 2	Methods of test for soils for civil engineering purposes. classification tests (sections 3, 4.3 and 5)
BS 1881, 1983 Parts 111, 114, 116	Testing concrete. Method for determination of density of hardened concrete and compressive strength of concrete
Mechanical	
ASTM A370	Standard test methods and definitions for mechanical testing of steel products (sections 6 - 15 only)
Chemical	
ASTM D86	Standard test method for distillation of petroleum products at atmospheric pressure
ASTM D1945	Standard test method for the analysis of natural gases by GC-TCD (Helium, Hydrogen, Oxygen, Nitrogen, Carbon Dioxide, Methane, Ethane, Hydrogen Sulfide, Propane, Isobutane, n-butane, neo & iso Pentane, n-Pentane, Hexane Isomers, Heptanes)

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GPA 2186	Method for the extended analysis of hydrocarbon liquid mixtures containing nitrogen and carbon dioxide by temperature programmed gas chromatography
Ash	
AOAC 920.153; 923.03; 983.18	(Meat-Ash)
AOAC 923.03	(Flour- Ash)
AOAC 925.11; 926.06; 923.03	(Macaroni products - Ash)
AOAC 925.21, 945.46	(Milk-liquid - Ash)
AOAC 930.22; 926.04	(Bread- Ash)
AOAC 930.30; 923.03	(Milk-dried- Ash)
AOAC 935.39; 923.03; 926.06	(Baked products - Ash)
AOAC 945.18;923.03	(Cereal adjuncts - Ash)
AOAC 945.38 A, C; 923.03	(Grain-Ash)
Moisture	
AOAC 920.175A, 925.45A, B	(Moisture in sugars)
AOAC 925.09B; 945.38A, B;	(Grains- Moisture)
AOAC 926.07A; 926.06; 925.09B	(Macaroni products- Moisture)
AOAC 927.05; 925.45A, B; 935.41B	(Milk, Dried- Moisture)
AOAC 931.04; 970.20	(Cocoa products- Moisture)
AOAC 934.01; 950.02	(Animal feed- Moisture)
AOAC 945.15, 935.29	(Cereal)
AOAC 950.46B; 983.18	(Meat- Moisture)
Fat	
AOAC 2003.06	(Crude fat in feeds, cereal grains and forages)
Protein	
AOAC 954.01	(Crude protein in animal feed and pet food and Kjeldahl Method)

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Water and Wastewater	
SMEWW 2540 A, C	Total dissolved solids
SMEWW 2540 A, D	Total suspended solids
SMEWW 4500A, B	pH
SMEWW 5220D	Chemical oxygen demand by closed reflux colorimetric method
Microbiological	
ASTM D7391-09	Standard test method for categorization and quantification of airborne fungal structures in an inertial impaction sample by optical microscopy (CARIRI Ref. No. - CARIRI E-MICRO: METHOD NO.009)
CARIRI E.Micro.TM.010	Direct microscopic examination of fungal structures from TapeLift samples (Based on ASTM D7658-17)
CARIRI E.MICRO.TM.02	Ready biodegradability test (based on OECD guideline 301D closed bottle test)
CARIRI F.MICRO.TM.09	Enumeration of Total Coliforms, Faecal Coliforms & E.Coli using MPN
DIAMIDEX MICA Fluorescence	Rapid Legionella pneumophila detection and enumeration using MICA (Microcolony Counter and Analyzer) system
Reveal 2.0 Test Kit-Listeria	48-hour Enrichment complete system
Reveal 2.0 Test Kit-Listeria	One step complete system
Reveal 2.0 Test Kit-Salmonella	Test Kit-Salmonella Salmonella
Water - Effluent	
CARIRI E.MICRO.TM.001	Five-day biochemical oxygen demand test (based on SMEWW 5210b & SMEWW 4500-O.C)
CARIRI E.MICRO.TM.003	Heterotrophic plate count using membrane filtration (based on SMEWW 9212D)
CARIRI E.MICRO.TM.004	Enumeration of total coliforms using membrane filtration (based on SMEWW 9222B)
CARIRI E.MICRO.TM.005	Enumeration of faecal coliforms and <i>E.coli</i> using membrane filtration (based on SMEWW 9222D & 9225)
CARIRI E.MICRO.TM.006	Enumeration of <i>Enterococcus</i> sp. using membrane filtration (based on SMEWW 9230C ASTM D5259-92)
Water - Potable	

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CARIRI F.MICRO.TM.001	Heterotrophic plate count using membrane filtration
CARIRI F.MICRO.TM.002	Enumeration of total coliforms using membrane filtration
CARIRI F.MICRO.TM.003	Enumeration of faecal coliforms and <i>E.coli</i> using membrane filtration;
Food	
3M Petrifilm	Aerobic Count
3M Petrifilm	E.coli / Coliform Count
3M Petrifilm	Enterobacteriaceae Count
3M Petrifilm	Yeast and Mould Count
CARIRI F.MICRO.TM.004	Total aerobic plate count
CARIRI F.MICRO.TM.005	Enumeration of yeasts and moulds
CARIRI F.MICRO.TM.006	Detection of <i>Salmonella</i> species
CARIRI F.MICRO.TM.007	Enumeration of <i>Staphylococcus aureus</i> : coagulase positive <i>Staphylococci</i>
CCFRA Method No. 2.2.1	Enumeration of coliforms: colony count technique
CCFRA Method No. 2.4.2	Enumeration of <i>Escherichia coli</i> : alternative colony count technique using chromogenic medium without membranes

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