



Permanent Address of laboratory:
BioPark Mauritius
Socota Phoenicia
Sayed Hossen Road
73408 Phoenix

Postal Address:
BioPark Mauritius
Socota Phoenicia
Sayed Hossen Road
73408 Phoenix

Tel No.: (230) 427 5807/427 5802
Fax No.: (230) 427 5182
E-mail: bertrand.baudot@quantilab.mu

Technical Signatories:

For Chemical:
(Inorganic)
Mr. Amar Prakash Gokhool
Mrs. Wendy Venpin

(Petroleum Products)
Mr. Suraj Bhunora
Mrs. Marie Mylene Joanna Pavaday
Mrs. Geetabali Seerputtee-Venkiah

Schedule of Accreditation
Laboratory No T001
(accredited to ISO/IEC 17025:2017)

(Sugar)
Mr. Amar Prakash Gokhool
Mr. Suraj Bhunora
Mrs. Marie Mylene Joanna Pavaday

(Organic):
Mr. Bertrand Baudot
Mr. Gaston Lew Chuk Wai
Mr. Mahmoud Kamel
Ms. Isabelle Quirin

For Biological:
Mrs. Mehrine Y. Goolamally Elahee

Issue No: 07

Expiry Date: 11 February 2024

	<i>Materials/Products Tested</i>	<i>Types of tests/Properties Measured Range of Measurement</i>	<i>Specification/Standard methods or techniques used</i>
I.	<i>Chemical Inorganic</i>		
1.	Water/Wastewater	Ammoniacal Nitrogen	ISO 5664:1984
		Chemical Oxygen Demand	ISO 15705:2002
		Conductivity	ISO 7888:1985
		Fluoride, Chloride, Nitrate, Nitrite	ISO 10304-1:2007 (F)
		Sum of Total Nitrogen	By Calculation
		Oil & Grease	APHA 5520 A/5520 D, 23 rd ed.
		pH	ISO 10523-1:2008
		Orthophosphate	ISO 10304-1:2007 (F)
		Salinity	APHA 2520B, 23 rd ed.
		Total Suspended Solids	NF EN 872 MES
		Sulphate	ISO 10304-1:2007 (F)
		Sulphide	HACH Method 8131
		Total Dissolved Solids	APHA 2520 B, 23 rd ed.
		Total Kjeldahl Nitrogen	ISO 5663:1984
		Turbidity	ISO 7027-1:2016
			ISO 7027-2:2019
		Mercury	EPA Method 7473 (SW-846)
		Cyanide	HACH Method 8027:2014, Ed 9
		Nickel, Potassium, Sodium, Vanadium, Zinc, Aluminium, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Lead, Lithium, Magnesium, Manganese, Iron, Selenium, Antimony, Phosphorus, Tin	ISO 17294-1:2004 & ISO 17294-2:2016

		Alkalinity (Total & Phenolphthalein)	APHA 2320 B, 23 rd ed.
		AOX (Total Organic Halides)	ISO 9562:2005
		Bicarbonate	Based on APHA 2320 B, 23 rd ed.
		Carbonate	Based on APHA 2320 B, 23 rd ed.
		Calcium Hardness	APHA 3500 – Ca B, 23 rd ed.
		Magnesium Hardness	By Calculation
		Total Hardness	APHA 2340 C, 23 rd ed.
		Sodium Absorption Ratio	By Calculation
		Detergents	APHA 5540 C, 23 rd ed.
		Sulphite	APHA 4500- SO ₃ ²⁻ , 23 rd ed.
		BOD	NF EN 1899-2:1998
		Silica	HACH 8185:2014, Ed 9
		Ammonium as NH ₄ ⁺	Based on ISO 5664:1984
		Nitrate as NO ₃ -N	Based on ISO 10304-1:2007
		Nitrite as NO ₂ -N	Based on ISO 10304-1:2007
		Phosphate as PO ₄ -P	Based on ISO 10304-1:2007
		Free Residual Chlorine	HACH 8021:2014, Ed 9
2.	Seafood and Feeds	Histamine	AOAC 977.13, 21 st ed.
		Pepsin Digestibility (+0.002%)	Based on AOAC 971.09, 21 st ed.
		Peroxide Value	Based on AOAC 965.33, 21 st ed. Soxhlet Solvent Extraction Method
		Sand	Based on AOAC 920.46 C, 21 st ed.
		Salt	Based on AOAC 937.09, 21 st ed.

3.	Animal, Vegetable and Marine Fats and Oils	Acid Value	AOCS Cd 3d-63, 7 th ed.
		Anisidine Value	AOCS Cd 18-90, 7 th ed.
		Free Fatty Acid as Oleic Acid	AOCS Ca 5a-40, 7 th ed.
		Insoluble Impurities	AOCS Ca 3a-46, 7 th ed.
		Iodine Value	AOCS Cd 1d-92, 7 th ed.
		Peroxide Value	AOAC 965.33, 21 st ed.
		Mercury	EPA Method 7473 (SW-846)
		Moisture	Based on AOAC 2008.06, 21 st ed.
		Arsenic, Cadmium, Lead, Tin, Selenium, Phosphorus,	ISO 17294-1:2004 & ISO 17294-2:2016 Digestion done by modified AOAC 999.10 Microwave Digestion, 21 st ed.
4.	Food (Including Fish/Fish Products/ Feeds/ General Food)	Ash	Based on AOAC 942.05, 21 st ed.
		Total Fats	Based on AOAC 2008.06, 21 st ed./ In-House Soxhlet Extraction Method, QL_I_MV66
		Total Protein	Based on AOAC 2001.11, 21 st ed., Flash 2000 N/Protein Analyser based on AOAC 968.06, 21 st ed.
		TVBN	Based on AOAC 920.03, 21 st ed.
		Mercury	EPA Method 7473 (SW-846)
		Moisture	Based on AOAC 2008.06, 21 st ed./ In-House Method, QL_I_MV67-Air Oven at 105°C
		Arsenic, Cadmium, Lead, Tin, Selenium, Phosphorus,	ISO 17294-1:2004 & ISO 17294-2:2016 Digestion done by modified AOAC 999.10, 21 st ed. Microwave Digestion

		Calorific Value	ASTM D240 & D5865
		Energy Value	By Calculation
5.	Equine and Human Body Fluids	Cobalt, Arsenic	Modified ISO 17294-1:2004 & ISO 17294-2:2016
6.	Vinasse & Fertilisers	Phosphorus as P ₂ O ₅ , Potassium as K ₂ O	Modified ISO 17294-1:2004 & ISO 17294-2:2016 – Following In-house digestion Method
7.	Cosmetics	Total N	AOAC 892.01, 21 st Edition
8.	Vanillin	Mercury	EPA Method 7473 (SW-846)
9.	Raw & Refined White Sugar	Vanillin Content	ISO 5565-2:1999
		Sugar Solution Colour	ICUMSA GS 9/1/2/3-8 (2011)
		Moisture	ICUMSA GS 2/1/3/9-15 (2007)
		Conductivity Ash	ICUMSA GS 2/3/9-17 (2011)
		Reducing Sugar	ICUMSA GS 2/3/9-5 (2011)
		Sulphite (Sulphur dioxide)	ICUMSA GS 2/1/7/9-33 (2011)
		Arsenic, Copper, Lead	Modified AOAC 999.10, 21 st Ed. followed by ISO 17294-1:2004 & ISO 17294-2:2016
10.	Marine Fuel Oil (RME and RMG), Marine Gasoil (DMA), Diesel	Mercury	EPA Method 7473 (SW 846)
		Acid Number of Petroleum Products by Potentiometric Titration	ASTM D664 – 18e2 IP 177/19 ISO 6619:1988 (2018)
		Determination of Ash	ASTM D482 – 19 IP 4/05 (2012) ISO 6245:2001/ NF EN ISO 6245:2002
		Determination of Carbon Residues – Micro Method	ASTM D4530 – 15 (2020) ISO 10370:2014 IP 398/15

		Petroleum and Related Products from Natural or Synthetic Sources — Determination of Pour Point	ASTM D97 - 17b ISO 3016:2019/NF EN ISO 3016:2019 IP 15/17
		Petroleum Products and Bituminous Materials — Determination of Water — Distillation Method	ASTM D95 - 13(2018) ISO 3733:1999/ NF ISO 3733:2003 IP 74/00 (2014)
		Standard Test Method for Density, Relative Density, API Gravity of Liquids by Digital Density Meter	ASTM D4052 – 18a ISO 12185:1996/COR1:2001/ NF EN ISO 12185:1996/COR.1:2001 IP365 NF T60-172
		Determination of Flash Point — Pensky-Martens Closed Cup Method	ASTM D93-20 ISO 2719:2016/Amd.1:2021/NF EN ISO 2719/A1:2021 IP 34/21
		Transparent and Opaque Liquids — Determination of Kinematic Viscosity and Calculation of Dynamic Viscosity	ASTM D445 – 21 ISO 3104:2020/ NF EN ISO 3104:1996 IP 71-1/2020
11	Marine Fuel Oil (RME and RMG)	Total Sediment in Residual Fuel Oils — Part 1: Determination by Hot Filtration	ASTM D4870-18 ISO 10307-1/2:2009 IP 375/18
12	Aviation Jet A1 (AFQRJOS)	Standard Method for Density, Relative Density, API Gravity of Liquids by Digital Density Meter	ASTM D4052-18a ISO 12185:1996/COR1:2001/ NF EN ISO 12185:1996 IP 365/2020 NF T60-172
		Standard Test Method for Flash Point by Pensky-Martens Closed Cup Tester	ASTM D93-20 ISO 2719:2016/Amd.1:2021/NF EN ISO 2719/A1:2021 IP34/21
		Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and calculation of Dynamic Viscosity)	ASTM D445-21 ISO 3104:2020/ NF EN ISO 3104:1996 IP 71-1/2020

13.	Motor Gasoline	Standard Test Method for Density, Relative Density, Api Gravity of liquids by Digital Density Meter	ASTM D4052-18a ISO 12185:1996/COR1:2001 IP 365 NF T60-172 DIN 51757D
14.	<i>Organic</i> Water/Wastewater	Qualitative Analysis of Drug Residues Quantitative Analysis of Polychlorinated Biphenyls (PCBs) Quantitative Analysis of Total Hydrocarbon Oil Index Quantitative Determination of Nitrogen & Phosphorus containing pesticides Quantitative Analysis of Organochlorine Pesticides	In-House Method, QL_O_LTP04 In-House Method, QL_O_LTP26 (Based on ISO 6468:1996) Based on ISO 9377-2:2000 Based on AOAC 991.07, 21 st Ed. LTP_O_21 (Based on ISO 6468:1996)
15.	Food & Feed	Analysis of Pesticides Residues Quantitative Analysis of Antioxidants	QuEChers Method BS EN 15662:2018 In-house Method, LTP_O_2
16.	Animal, Vegetable and Marine Fats and Oils	Percentage of Fatty Acids Methyl Esters (FAMES)	LTP_O_20 (Based on AOAC 991.39, 21 st Ed.)
17.	Food (Including Fish/Fish Products/Feeds/ General Food)	Qualitative Analysis of Antibiotics	In-House LTP_O_24

18.	Equine and Human Body Fluids	Qualitative Analyses of drugs, prohibited substances, banned substances, illicit substances and restricted substances as defined by rules and regulations of Customers. Quantitative Analysis of Testosterone	In-House methods using GC,LC, TLC, Immunoassay, Colorimetric tests and Mass Spectrometry In-House method, LTP_O_01 In-House method, LTP_O_02 In-House method, LTP_O_03 In-House method, LTP_O_04 In-House method, LTP_O_05 In-House method, LTP_O_06 In-House method, LTP_O_07 In-House method, TA06 In-House method, LTP_O_08 In-House method, LTP_O_11 In-House method, LTP_O_13 In-House method, LTP_O_15 In-House method, LTP_O_17 In-House method, LTP_O_18 In-House method, LTP_O_19 In-House method, LTP_O_14
19.	Human Blood	Quantitative Analysis of Alcohol	LTP_O_31 (GC FID)
20.	Equine Blood/ Equine Urine	Qualitative Analysis of Recombinant human erythropoietin Qualitative Analysis of Peptides based drugs	In-house, LTP_S_03 (LC-HRMS) In-house, LTP_O_27 (LC-HRMS)
21.	Equine Plasma /Equine Hair	Qualitative Analysis of Anabolic steroids / anabolic steroids esters	In-house, LTP_O_33 (LCMS)
22.	Equine Urine/ Equine Plasma	Quantitative Analysis of Dimethylsulfoxide (DMSO)	LTP_S_04 (LC-MS)
23.	Equine Urine	Qualitative analysis of polar substances by dilute and shoot	In-house, LTP_O_34 (LCMS)

II.	Biological		
1.	Water	Detection & Enumeration of Intestinal Enterococci Detection of <i>Salmonella Spp.</i> Enumeration of Microorganisms at 22°C & 36°C Detection & Enumeration of <i>E.Coli</i> and Coliforms Bacteria Enumeration of Spores of Sulphite-Reducing Bacteria Enumeration of <i>Clostridium Perfringens</i> Detection & Enumeration of Legionella Spp Detection And Enumeration of <i>Pseudomonas Aeruginosa</i> Multiple-Tube Fermentation Technique For Members of Coliform Group (Coliforms, Faecal Coliforms and <i>E.Coli</i>)	ISO 7899-2:2000 ISO 19250:2010 ISO 6222:1999 APHA 9222B, 22 nd ed. ISO 6461-2:1986 ISO 14189:2013 ISO 11731-2:2004 ISO 16266:2008 APHA 9221 A-F, 23 rd Edition
2.	Potable/Treated Water	Enumeration of <i>Escherichia Coli (E.Coli)</i> and Coliform Bacteria – Part 1: Membrane Filtration Method for Waters with Low Bacterial Background Flora	ISO 9308-1:2014/Amd. 1:2016
3.	Food & Animal Feeding Stuffs	Enumeration of <i>Coagulase-Positive Staphylococci</i> Enumeration of B-Glucuronidase-Positive <i>E.Coli</i>	ISO 6888-1:2021, ISO 6888-2:2021 ISO 16649-2:2001

		Detection of <i>E.Coli</i> O157	Single Path Method
		Horizontal Method for the Enumeration Of Yeasts & Moulds	NF ISO 21527-1:2008-11 NF ISO 21527-2:2008-11
4.	Food, Feed and Environmental samples from food production and food handling	Enumeration of <i>Clostridium Perfringens</i>	ISO 7937:2004
		Sulphite-Reducing Bacteria Enumeration	ISO 15213:2003
		Detection & Enumeration of <i>Enterobacteriaceae</i>	ISO 21528-2:2017
		Detection of <i>Salmonella Spp.</i>	ISO 6579-1:2017/AMD 1:2020
		Enumeration of Microorganisms	ISO 4833-1:2013
		Enumeration of Coliforms	ISO 4832:2006
		Detection of <i>Vibrio Parahaemolyticus</i> and <i>Vibrio Cholera</i> and Other Pathogenic Vibrio Spp.	ISO 21872-1:2017
		Detection Of Shigella Spp	ISO 21567:2004
		Enumeration of <i>Enterobacteriaceae</i> (MPN)	ISO 21528-1:2017
		Horizontal Method for The Enumeration of Presumptive <i>Bacillus Cereus</i> Colony Count Technique at 30°C	NF EN ISO 7932:2005-07
		Detection of <i>Salmonella Spp</i>	VIDAS Easy <i>Salmonella</i> NF VALIDATION (BIO-12/16-09/05) Sample size: 1-750g
		Detection of <i>Listeria Spp</i>	VIDAS <i>Listeria</i> NF VALIDATION (BIO-12/33-05/12) Sample size: 1-750g

	<p>Horizontal Method for the Detection and Enumeration Of Presumptive <i>Escherichia Coli</i> (MPN Technique)</p> <p>Horizontal Method for the Enumeration of Coagulase – Positive <i>Staphylococci</i> (<i>Staphylococcus Aureus</i> and Other Species) - - Part 3: Detection and MPN Technique for Low Numbers</p> <p>Detection and Enumeration of <i>Listeria Monocytogenes</i></p> <p>Enumeration of <i>Listeria</i> Spp. (Including <i>Listeria Monocytogenes</i>)</p> <p>Detection and Enumeration of <i>Campylobacter</i> Spp.- - Part 1: Detection Method</p> <p>Detection of <i>E. Coli</i> O157</p> <p>Horizontal Method for the Determination of Low Numbers of Presumptive <i>Bacillus Cereus</i> - - Most Probable Number Technique and Detection Method</p>	<p>NF ISO 7251:2005-07</p> <p>ISO 6888-3:2003</p> <p>ISO 11290-1:2017</p> <p>ISO 11290-2:2017</p> <p>ISO 10272-1:2017</p> <p>VIDAS UP ECPT (NF-BIO-12/25-05/09)</p> <p>ISO 21871:2006</p>
--	---	---

Issued by the Mauritius Accreditation Service (MAURITAS)

Date: 13 May 2022

.....
Director of MAURITAS

