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LABORATORY LOCATION/ CENTRAL OFFICE:	APSN Healthcare & Diagnostics Sdn. Bhd. Lot 18 A & 18B, jalan 241, Seksyen 51A, 46100 Petaling Jaya , 46100, SELANGOR MALAYSIA
	
ACCREDITED SINCE :	26 MARCH 2025
FIELD(S) OF TESTING:	CHEMICAL MICROBIOLOGY NUCLEIC ACID VETERINARY

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:	APSN Healthcare & Diagnostics Sdn. Bhd. Lot 18 A & 18B, jalan 241, Seksyen 51A, 46100 Petaling Jaya , 46100, Selangor
FIELD(S) OF TESTING :	CHEMICAL, MICROBIOLOGICAL, NUCLEIC ACID, VETERINARY

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
#name?	None	None
	None	based on APHA 9213 E:9-33
	None	None
	Spores of Sulfite- Reducing	AS/NZS 4276.17.1:2000 21BAMC-
	Anaerobes (Clostridia) including	None
	Clostridium perfringens	None
	None	None
	Faecal Enterococcus/	In-house method 21BAMC-B063
	Streptococcus groups	based on APHA 9230 C
	None	based on APHA 9221 B

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	None
	Escherichia coli / Thermotolerant coliforms	In-house method 21BMPN -B076 based on APHA 9221 B
	None	None
	None	None
	None	None
	Standard Plate Count	based on APHA, 2001
	Standard Plate Count -	based on APHA, 2001
	None	None
	None	None
	None	21LAFL-B087
	None	None
	Listeria monocytogenes	In-house method 21LAFL-B088
	None	based on Romer Labs
	None	RapidChek®Listeria test kit
	None	None
	None	None
	None	None
	None	None
	None	None
	None	based on APHA 9213 E:9-33
	None	None
	Spores of Sulfite- Reducing Anaerobes (Clostridia) including Clostridium perfringens	AS/NZS 4276.17.1:2000 21BAMC-
	None	None
	None	None
	Faecal Enterococcus/ Streptococcus groups	In-house method 21BAMC-B063 based on APHA 9230 C
	None	None
	None	None
	None	None
	None	based on APHA 9221 B
	None	None
	Escherichia coli/ Thermotolerant coliforms	In-house method 21BMPN-B076 based on APHA 9221 B
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	- Standard Plate Count	based on APHA, 2001
	- Standard Plate Count	based on APHA, 2001
	Spectrometry	None
	Spectrometry	ASTM E 1251: 2017(a)
	None	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	by Stabinger Viscometer (and the	None
	Chemical oxygen demand, mg/L	In-house method IHM/006 adopted
	Total suspended solids, mg/L	*APHA 2540 D, 2005
	None	APHA 2540 D, 2017
	None	None
	Nitric Acid-Hydrochloric Acid	*APHA 3030F, 2005
	Digestion	APHA 3030F, 2017
	Copper (as Cu), mg/L	*APHA 3111 B, 2005
	None	APHA 3111 B, 2017
	Zinc (as Zn), mg/L	*APHA 3111 B, 2005
	None	APHA 3111 B, 2017
	None	None
	Manganese (as Mn), mg/L	*APHA 3111 B, 2005
	Nickel (as Ni), mg/L	*APHA 3111 B, 2005
	None	APHA 3111 B, 2017
	None	None
	Cadmium (as Cd), mg/L	*APHA 3111 B, 2005
	None	APHA 3111 B, 2017
	Biochemical oxygen demand	*APHA 5210 B, 2005
	(5 days at 20 °C), mg/L	APHA 5210 8B, 2017
	Dissolved Oxygen	*APHA 4500-OG, 2005
	None	APHA 4500-OG, 2017
	None	None
	None	None
	None	APHA 4500-NHs B, 2017
	None	None
	None	*APHA 4500-NHs C, 2005
	None	APHA 4500-NHs C, 2017
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Nitrogen (Nitrate)	APHA D, 2017
	None	None
	Formaldehyde	In House Method IHM/008 Adopted
	None	from HACH Method 8110, DR3900
	Phosphorus	APHA 4500-P B, 2017
	None	APHA 4500-P C, 2017
	Fluoride	*APHA 4500-F C, 2005
	None	APHA 4500-F C, 2017
	None	None
	Test	sterile product (Pg.538-556)
	None	None

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	Microbiological Examination of	None
	Non-Sterile Products Detection	None
	None	None
	Moisture	In-house method DCH-WI-QA104:
	None	Determination of Refractive Index in
	None	Liquids based on USP 42:
	None	None
	None	None
	None	Determination of Ash in Cocoa Products
	None	based on AOAC 972.15
	pH	USP
	None	None
	None	AOAC 998.08 (2007
	None	AOAC Official Method 2018.13
	None	None
	E. coli	AOAC 991.14
	None	AOAC 998.08 (2007
	None	AOAC Official Method 2018.13
	None	None
	None	AOAC 998.08 (2007 AOAC Official Method 2018.13
	E. coli	AOAC 991.14
	None	AOAC 998.08 (2007
	None	AOAC 998.08 (2007)
	None	AOAC Official Method 2018.13
	None	None
	E. coli	AOAC 991.14
	None	AOAC 998.08 (2007)
	None	AOAC Official Method 2018.13
	None	0157 Test Kit
	None	None
	Escherichia coli 0157:H7	Neogen Reveal® for E. coli
	None	0157:H7 Test Kit
	Culture	Standard Microbiology Method as Documented
	None	None
	None	Kits as Documented In HCTM/JP MD/ISO15189/BAKTE/MPT-ID
	None	HCTM/JPMD/ISO15189/BAKTE/M PT-UJ
	None	HCTM/JPMD/ISO15189/BAKTE/M PT-TP
	None	HCTM/JPMD/ISO15189/MEDIA/M PT-BKR
	None	HCTM/JPMD/ISO15189/MEDIA/M PT-BP.

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	Analyser Vitek 2 Compact 60
	None	As documented in
	None	HCTM/JPMD/ISO15189/BAKTE/A K-02
	None	HCTM/JPMD/ISO15189/BAKTE/A K-09
	None	HCTM/JPMD/ISO15189/MEDIA/M PT-MEDIA
	None	None
	None	Microscope as Documented in
	Mycobacterium	Real-time Polymerase Chain Reaction / Rotor-
	tuberculosis complex &	Gene Q/ Real-time PCR System as
	Nontuberculous	documented in HCTM/JPMD/UBM/MPT-06
	Kualitatif PCR	None
	None	None
	None	None
	Corrosion test expressed as mass loss	ISO 7441:2015
	None	None
	PCR for HPV Genotyping	Automated procedure using Microlab Nimbus,
	PCR for Respiratory Bacterial	Manual procedure using Geneall Ribospin, as
	PCR for Gastrointestinal	Manual procedure using Geneall Ribospin, as
	Bacterial Pathogen Panel	documented in:
	None	i) Work Instruction A12QD020
	None	ii) Technical Procedure Manual
	None	A12QT004
	PCR for Gastrointestinal Viral	Manual procedure using Geneall Ribospin , as
	Pathogen Panel	documented in:
	None	i) Work Instruction A12QD019
	None	ii) Technical Procedure Manual
	None	A12QT004
	PCR for Rapid Filmarray	Automated procedure using GeneXpert Dx, as
	Gastrointestinal Panel	documented in Work Instruction A12QD007
	Microscopic	Auramine Stain/Dagatron (1) as documented in SOP
	bacili	nan
	Culture for Isolation of	Fluorescence detection Acid fast bacilli culture

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	mycobacteria	system/BACTEC 960 (1) as documented in Primary
	mycobacteria	isolation of Mycobacteria using MGIT
	mycobacteria	(GPQD/MIC/SOP-70)
	Sensitivity	Fluorescence detection Acid fast bacilli culture
	Sensitivity	system/BACTEC 960 (1) as documented in Drug
	Sensitivity	Susceptibility Test for Mycobacterium tuberculosis
	Sensitivity	(GPQD/MIC/SOP-76)
	Procedure (TCLP)	None
	- Selenium (Se)	None
	- Silver (Ag) - Arsenic (As)	None
	Tensile Test, Bend and Rebend Test	BS EN 10080:2005 Clause 9
	recognized as safe (GRAS)	with reference to EPA 3051 A
	300 mm to 600 mm	5 yum
	300 mm to 600 mm	5 yum
	300 mm to 600 mm	5 yum
	300 mm to 600 mm	5 yum
	300 mm to 600 mm	5 yum
	300 mm to 600 mm	5 yum
	-100 °C to 1300 °C	0.70 °C
	-100 °C to 1100 °C	0.58 °C
	0 °C to 1700 °C	1.9°C
	-100 °C to 1300 °C	0.70 °C
	-100 °C to 1200 °C	0.58 °C
	0 °C to 1700 °C	1.9°C
	-80 °C to -20 °C -20°C to 5 °C 5°C to 50°C 50°C to 100°C 100°C to 140°C	0.07 °C 0.07 °C 0.07 °C 0.07 °C 0.07 °C
	-20°C to 140 °C -80 °C to 140 °C to 90 °C	1.2°C
	-80 °C to -20 °C	None
	-20 °C to 140 °C	0.1 °C
	-20 °C to 140 °C	None
	-80 °C to -20 °C	None
	-20 °C to 140 °C	0.1 °C
	-20 °C to 140 °C	None
	-20 °C to 140 °C	None
	-20 °C to 140 °C	None
	-20 °C to 140 °C	None
	-100 °C to 1300 °C	0.5 °C
	-10 °C to 110 °C	0.1 °C
	-10 °C to 110 °C	0.1 °C
	-10 °C to 110 °C	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
(continued)	-100 °C to 1200 °C	0.6 °C
	-100 °C to 1300 °C	0.6 °C
	-100 °C to 400 °C	0.6 °C
	Spectrometry	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	(First Revision)
	Manganese	Based on MS 1.107: 1976
	None	None
	None	None
	Ammoniacal Nitrogen	APHA B&F, Edition
	None	(Clause 11.5 and 11.6)
	None	None
	None	None
	None	None
	None	None
	moisture content relationship	BS 1377:1990, Part 4, Clause 3
	compressive strength	BS 1377:1990, Part 7, Clause 7.2
	distribution: wet sieving, dry	BS 1377:1990, Part 2, Clause 9.2,
	number of a soil	Equipment: glass beaker, test tube
	test	None
	Power frequency magnetic field	IEC 61000-4-8:2009
	11. Determination of Viscosity	In-house ESL QPL A011
	None	None
	Boron (as % B ₂ O ₃)	In-house Method P02-10 based on
	None	and Management unit PORIM
	None	pg.31
	None	1994
	None	None
	Seal Degradation Test	AS/NZS 4284: 2008 (Clause 8.10)
	Seismic and Wind Induced Inter	AAMA 501.4-2018 (Clause 7.0)
	None	None
	None	None
	None	None
	None	None
	Escherichia coli	APHA 9221.F (MPN) APHA 9222.H (Membrane Filter)
	Fecal Streptococci	APHA 9230.C (Membrane Filter)
	Clostridium perfringens	HPA NSM WS5 Issue 3 (Membrane Filter)
	Pseudomonas aeruginosa	APHA 9213.E (Membrane Filter)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Sulphite reducing anaerobes	ISO 6461-2:1986 (Membrane Filter)
	penetration)	None
	Dynamic Water Penetration Test	AAMA 501.1-17
	Seal Degradation Test	AS/NZS 4284:2008
	Seismic and Wind Induced Inter	AAMA 501.4-2009
	None	ASTM E330/ E330M-14
	of Transparent and Opaque Liquids	None
	Smoke Point	ASTM D1322
	Determination of Calcium	MS 679: Part - V: Part IV, Clause 5,
	Force at Break(0-500N)	None
	Elongation at break (0 -" 1000%)	None
	None	None
	None	None
	None	None
	None	None
	None	ASTM E 190:2014
	a. Vickers (HvN)	ASTM E384-2017
	Nitrofurans residues:	In-house Method, Ref. No. MOH D03-
	None	DIN ISO 34-1:2016 AS 1683.12: 2001 (2018)
	Abrasion Resistance	ASTM D5963-04 (2019) (Method A) ISO 4649: 2017 (Method A) DIN ISO 4649:2014 (Method A)
	DC to 1 kHz	(of reading) 0.0035 Q
	at Frequency: 2.5 MHz to 1.3 GHz	(of reading)
	1 kHz	0.000048 nF
	100 Q DC to 1 kHz	0.023 Q
	None	0.5 bar
	None	None
	Liquid Limit	None
	None	None
	None	None
	None	None
(dairy Product, Probiotic, (liquid, Semi-solid, Solid)	None	None
(liver, Yolk, Git), Fta Card	None	21BAMC-B015
	None	None
	None	None
(lungs), Fta Card	None	None
(lungs), Synovial Fluid, Hock	Mycoplasma synoviae	None
	None	31RPCR-M085
(lungs, Faeces, Kidneys,	None	None
	None	None
(pharmaceutical And	None	technique at 30° C

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
(premixes, Raw Material,	None	Microbiology of food and animal
(raw Materials & Finished	None	None
	None	None
(spleen), Fta Card	None	None
	(ReoV)	None
	None	31RPCR-M074
(veterinary Drugs &	well Microtitre Plate Format for	based on Journal of Antimicrobial
	None	based on EP 2007, page 2534-2535,
	None	based on British Pharmacopoeia
	None	based on EP 2007, page 2534-2535,
	None	based on British Pharmacopoeia
	well Microtitre Plate Format for	based on Journal of Antimicrobial
Acidic And Acidifying Food	None	None
Agriculture Product	Identification System	None
Agriculture Products	None	None
	None	None
Analysis	Mycotoxin	ELISA
	Material Composition	ASTM E415: 2021
Analysis (continued)	None	None
	None	None
	None	None
And Feed Supplements In	None	None
	None	None
And Liquid Samples & Swabs	None	None
Animal Feed, Urine And Water	None	based on Randox Manual SU 2148,
	None	based on Randox Manual SU 2148,
Animal Feeding	None	None
	Petrifilm	3M-,¢ Petrifilm-,¢ Product Instructions
Animal Feeding Stuffs	Crude Protein	AOAC 2001.11, 41NUTR-C200/
	Crude Protein	AOAC 2001.11, 41NUTR-C200/
Animal Tissues And Clinical	Salmonella spp.	In-house method
	Enterococci (VRE)	21BACI-B003
Animals (cat, Dog & Equine)	None	None
Any Raw And Processed Food	PCR Detection of Porcine	APSN Multi-,¢ Porcine Derivatives
	PCR Detection of Porcine	APSN Multi-,¢ Porcine Derivatives
Aquacultur E	Examination for specific Organism by Polymerase Chain Reaction:	Conventional PCR
Aquatic Animals (fish &	None	None
Avian (chicken, Duck,	None	None
Avian E	Examination for specific	Conventional PCR
	Examination for specific	Conventional PCR
	Examination for specific	Conventional PCR
	Examination for specific	Real Time PCR

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Avian Serum E	Examination for specific	Differentiation of True Infection
	None	Immunology/ Serology method
	Newcastle Disease Virus (NDV)	In-house method 11HEIN-E042. HI-
	Avian Influenza Virus (AIV)	1. IDEXX 11ELSA-E014
Bacteria	Antimicrobial	In-house method
	Antimicrobial Sensitivity/	In-house method
	Bacteria Identification	Automated method using MALDI -TOF
	Bacteria Identification	(MATRIX-ASSISTED LASER
	Bacteria Identification	DESORPTION IONIZATION-TIME
	Bacteria Identification	OF FLIGHT) as documented in Arahan Kerja
	Bacteria Identification	HTJS/AK/PAT/MIC/30
Bacteriology & Mycology	Bacteria Isolation & Identification	None
	Bacterial & Identification	None
	None	None
	None	None
	None	None
	None	None
	None	Molecular method:
	None	None
Belt Swabs), Faeces, Hatch	None	None
Bone Marrow, Tissues	Chicken Anaemia Virus (CAV)	APSN CAV 31CPCR-M003
Caecal Tonsillar Tissue), Fta	Infectious Bronchitis Virus -	APSN IBV-793/B
Caecal Tonsillar Tissue, Fta	None	None
Caecal Tonsillar), Fta Card	None	None
Card	None	None
	None	None
	None	None
	793/B	31RPCR-M083
	None	31RPCR-M087
	None	None
	None	None
	None	None
	None	None
	None	None
Card, Serum	None	None
	Respiratory Syndrome Virus	None
Cloacal & Environment	Rapid Yeast & Mould Count by	21 BAMC-B037
Cloacal Swab, Environmental	Vancomycin Resistant	APSN Multi-,¢ VRE
	Multiplex MRSA (mec A) & VRE	APSN Multi-,¢ MRSA & VRE
	Salmonella spp.	APSN Salmonella spp.
	Salmonella spp.	APSN Salmonella spp.
Cloacal Swab, Food Material,	Citrobacter freundii	APSN Citrobacter freundii
	Citrobacter freundii	APSN Citrobacter freundii
Cloacal Swabs,	Enterobacteriaceae Count	In-house method
Cloacal/ Faecal/ Trachea/	Escherichia coli	In-house method 21BACI-B010
Cocoa And Cocoa	None	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	analysis for nutrition labeling (1993)
	Total Saturated Fat	None
	Myristoleic acid (C14:1)	None
	None	EUPGFD.SOP.TM.CHEM.13 based
	Total Dietary Fiber	AOAC 991.43
	None	EUPGFD.SOP.TM.CHEM.14 based
	None	None
	None	None
	Enterobacteriaceae	CMMEF, Chapter 9 (Plate Count)
	None	None
	None	None
	Nicotinamide)	009 based on Determination of
	None	None
	None	None
Conjunctival Swab, Fta Card	None	None
Containing Products	None	None
Contents), Spleen, Brain,	None	None
	None	None
Cosmetic Products	None	Appendix XVI B, page 439-443
	None	Appendix XVI B, page 439-443
	None	None
	Retinoic Acid (Tretinoin)	ASEAN Harmonized Method, ACM
	None	None
	None	Pig Maximization Test
	Technique	None
	(DPPH Assay)	3:2017 Annex H page 43-48:
	Aerobic Plate Count	FDA, BAM 2016, Chapter 23,
	Pseudomonas aeruginosa	BP 2019, Appendix XVI B
	Total Combined Yeast & Mould	BP 2020, Appendix XVI B
Dairy Products, Yeast, Wheat	Detection of porcine DNA	JKM B 0312 -" Detection of porcine
Disinfectant	Melamine	In-house method, 41LCMS-C024,
	Melamine	In-house method, 41LCMS-C024,
Disinfectants	None	None
	None	Appendix XVI B, page 439-443
	None	Appendix XVI B, page 439-443
	Bile-tolerant Gram- Negative	In-house method 21BAMC-B068
Drugs & Pharmaceuticals	None	None
	None	None
	None	None
Egg	None	21LAFL-B087
	Total Antibiotic Residues	APSN Total Antibiotic Residues
	Diclazuril & Dinitrocarbanilide	In-house method 41LCMS-C133
	Arsenic, Cadmium, Mercury,	In-house method 41IPMS-C181,
	Diclazuril & Dinitrocarbanilide	In-house method 41LCMS-C133
	Arsenic, Cadmium, Mercury,	In-house method 41IPMS-C181,

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Antibacterial (8 analytes)	In-House Method, Ref. No. MOH
	None	None
	Fipronil	In-house method, SGS-TM-FOOD-
Egg And Egg Products	None	None
	None	None
	Crude Fibre	In-House Method CLWI-TEC-F003
	Carbohydrates (kcal/100g	Food Regulations 1985
	None	on AOAC? 994.10
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
Environment Swabs	None	based on ISO 7932:2004
	None	based on ISO 7932:2004
	Rapid Yeast & Mould Count by	21 BAMC-B037
Environmental Monitoring	Microbiological testing	In-house method 21BSAM-B081
	Microbiological testing	In-house method 21BSAM-B080
	Microbiological testing	In-house method 21BSAM-B081
	Microbiological testing	In-house method 21BSAM-B080
	None	None
	Colour ADMI	APHA 2120 F
	Mercury	In-house Method, CL/WT/007, based
	None	None
	None	None
	pH Value (pH)	APHA 4500-H* B, edition
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Aluminium	USEPA 6010 D (ICP OES)
	None	None
	Nitrate (as NO ₃ -• or	APHA E
	None	None
	Fluoride	APHA & D
	Colour (True & Apparent)	APHA 2120 C

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Total Coliform Count (TCC)	APHA 9221 B
	Total Nitrogen	In-house test method MKA TMO3 by TOC/TN Analyzer
	None	None
	Total Solid	2540 B
	None	None
	None	None
	None	None
	pH value	APHA 4500-H* B Electrometric
	None	None
	None	None
	Particulate Matter	MS 1596: 2003 Determination of
	Heavy Metals:	None
	None	None
	None	None
	Moisture	(i) Gravimetric Method: BS:EN
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Metals	In-house Method PCL-HMW-01
	None	None
	None	None
	Turbidity	APHA 2130 B, 2005
	Turbidity	APHA 2130 B, 2005
	Biochemical Oxygen Demand	APHA 5210 B & C, 2005
	Biochemical Oxygen Demand	DOE 2019, Reference Method,
	pH	APHA 4500 H*B, 2005
	Metals by ICP	None
	Metals by ICP	None
	Metals by ICP	None
	None	In-house method, WI-TEC-S001,
	None	None
	None	None
	None	None
	Determination of Concentration and Mass Flow of Particulate	MS 1596: 2003
	Determination of Total Suspended Particulate Matter in	ASTM: D4096-91 (2003)
	Sound pressure level	Guidelines for Environmental Noise Limits and Control, Third Edition
	None	None
	None	None
	None	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Boron	APHA 4500-B C, 2005 APHA 4500-B C, 2017
	Sulphide	APHA 4500- D, 2005 APHA 4500- D, 2017
	Metal Analysis by ICP-OES	None
	Hydrocarbon	APHA 5520 F 2005
	None	None
	Hydrogen Bromide (HBr)	OSHA Method ID-165SG
	Temperature	APHA 2550 B, 2005
	None	None
	None	None
	Formaldehyde	In-house Method C/WTR/012
	None	None
	Aluminium	None
	Aluminium	None
	Nickel	APHA 3120 B, 24" Edition
	pH	APHA 4500 H*B
	pH	APHA 4500 H*B
	None	None
	None	None
	None	None
	COD	APHA 5220 D
	Heavy Metals	None
	Moisture	EPA Method 9000 (Karl Fischer Titration)
	None	EPA Method 1010 A
	None	Information Circular 8333,
	Total Bacteria Count	Compendium of Methods for the
	Aerobic Plate Count	In-house swab contact method
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
Environmental Samples,	Beta-agonist	In-house method, 11ELSA-E019,
	Beta-agonist	In-house method, 11ELSA-E019,
Environmental Swabs And	Identification System	None
Environmental Swabs, Food	None	None
Environmental Swabs, Meat,	None	21BAMC-B013
	Enterobacteriaceae Count	In-house method
Faecal Sample, Tissues	Reovirus/Avian Viral Arthritis	APSN Reovirus 31CPCR-M007

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Feed	DIVA Assay-Reovirus	APSN Reovirus (DIVA)
	None	based on ISO 15214:1998
	None	None
	None	None
	Nickel Iron	None
	Inorganic arsenic	In-house Method, CL/FD/041, Based
	Protein	ISO 5983
	None	on ASTM D3761
	None	None
	Moisture	MS ISO 6496 : 2003
	Energy/Calories	Method of Analysis for Nutrition
	Determination of Chloramphenicol	In-house method JKM F 0609 based
	None	None
Feed & Other Commodities	None	based on Romer Labs Total Aflatoxin
	None	None
Feed (premises, Raw	Lactic Acid Bacteria Count	In-house method 21BAMC-B023
Feed, Feed Additive &	Potassium, Iron, Sodium,	Analysis Manual, 2015, ICP-MS
Feed, Pharmaceutical	None	None
	None	21BAMC-B013
Feed, Water, Environmental	None	None
	Bacteria Identification (up to	In-house method
Feed/ Premix	Mycotoxin	In-house method, 41LCMS-C022,
	Mycotoxin	LCMS/MS
Finished Feeding Materials)	None	feeding stuffs- Horizontal method
Finished Products	None	None
	Sodium Bicarbonate Assay	In-house method 41TITR-C059
	Sodium Bicarbonate Assay	In-house method 41TITR-C059
	None	acid bacteria -" Colony count
	None	None
	Total Plant sterols / Cholesterol)	None
	1. Acid Value	AOCS Te 1A-64
	9. Determination of Melting Point	In-house ESL QPL A009
	None	on BS EN 14084:2003 and Perkin
	None	None
	yeast/moulds count	None
	Test for Specified Micro-	British Pharmacopoeia 2019:
	Staphylococcus aureus	None
	Candida albicans	None
	None	based on Journal of AOAC International, Vol. 83, No. 4, 2000
Fish And Fishery Products	None	feeding stuffs - Horizontal method for
	E.coli / Coliforms	AOAC Official Method 998.08 Petrifilm E.Coli / Coliforms Count Plate

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Heavy Metal:	Tatacara Analisis Residu Logam Berat
	Chloramphenicol	PBPK/RDV 01:
	Sodium	None
	Organic Mercury (Methyl	In house method SGS-TM-FOOD-
Fish Meal	Leucomalachite green	based on Journal of
	Leucomalachite green	based on Journal of
	Total Count of Yeast &	SIMPLATE Yeast & Mold Count Indicator
Fish/ Prawn Tissue/ Muscle &	Malachite green &	In-house method, 41LCMS-C026,
	Malachite green &	In-house method, 41LCMS-C026,
Flour	Potassium, Iron, Sodium,	Analysis Manual, 2015, ICP-MS
	pH	AOAC? 945.42, AOAC? 943.02, AOAC?
	Total Plate Count	In-house method LWM 3 based on
	Calcium Propionate	In-House Method SOP-0217-1024
	Ash	AOAC 923.03
	None	None
	Benzoyl Peroxide	In-house method, Ref. No. MOH:
	Nitrogen / Protein	AOCS Bc 4-91
	Benzoyl Peroxide	MOH E03-024: The Determination of
Flour, Confectionery & Bread	Propionic acid	In-house method 41 HPLC-C087
Food	None	Application Notes, LC-MS/MS
	None	Application Notes, LC-MS/MS
	Staphylococcus aureus count (coagulase positive)	FDA Chapter 12 (Detection and Enumeration)
	Yeast Count	AOAC 997.02 (Petrifilm)
	Peroxide Value	In House Test Method, TM 006,
	None	None
	None	None
	Ash	AOAC 945.46
	Carbohydrate	In-house method TM-FD-006:
	Calories (by calculation)	In-house method TM-FD-009 based
	None	None
	Bacterial identification up to species level (Refer to Appendix A(i) & A(ii))	BD BBL Crystal Identification Gram Positive ID Kit & Gram Negative ID Kit (Enteric / Non Fermenter ID Kit) LWI
	Synthetic Colouring	In-house Method, CL/FD/017, based
	Water Activity	In-house Method, CL/FD/017 based on Decagon Paw Kit Water Activity Meter Manual
	Crustacean	n-house Method NA/FD/016 using Real-Time PCR
	Moisture	n-house Method

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	Leaching procedure for:	None
	None	None
	Trace Metal Analysis	None
	Salmonella Detection	FDA BAM Chapter 5
	None	None
	Campylobacter jejuni and C. coli	In-house method Detection of
	1) Ash Content in Food Products	In House Method
	Fat (Total, Saturated &	In-house method
	Aerobic Plate Count	FDA -" BAM Chapter 3, 2001
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Protein	In-house Method: CA/R/007, Based on
	Total Dietary Fiber	In-house Method WI/JC-LAB/029
	Enumeration of	None
	Aerobic Plate Count	FDA BAM Chapter 3, 2001
	Staphylococcus aureus	AOAC Official Methods of Analysis
	None	None
	Antimony	In House Method TM/F-001 refer to
	None	None
	Alcohol (ethanol)	In-house Method No: JAKIM /
	Alcohol (ethanol)	In-house Method No: JAKIM /
	Salmonella spp.	AOAC OMA 2016.01 (3M-„¢ Molecular
	None	Based on Porcine Trace ® Rapid
	None	None
	None	None
	None	None
	Determination of Cholesterol in	JKM F 1208: In-house based on
	Total Acidity in Food by Titration	JKM F 0935 In-house Method based
	Determination of Melamine in	JKM F 1302 In-house Method based
	Determination of Total Arsenic in	JKM F 0509 In-house Method based
	Net Weight	JKM F 0944 In-house Method based
	Determination of Vitamin C	In-house method JKM F 1211 based

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Determination of Vitamin A	In-house method JKM F 1212 based
	Determination of Water Activity	JKM M 3082
	Yeast and Mould	JKM M 3084 -" Enumeration of Yeast
	Detection and Enumeration of Coliform Counts (Petrifilm)	JKM B 0201
	Detection of Cronobacter	JKM M 3053 AOAC, 21* Edition, 2019 (991.14) -"
	Extraction of Food Samples	JKM M 3083
	Sequencing of mitochondrial	JKM B 0105 DNA Extraction and
	Foreign Matter and Extraneous	JKM B 0310 Speciation of animal
	Identification of Insects/Foreign	JKM B 0405 Determination of
	Identification of Foreign Matter in	JKM B 0404. Determination of
	Determination of the Origin of	JKM B 0402. Identification of Rodent
	None	JKM B 0403. Determination of Origin
	None	None
	None	None
	None	None
	None	None
	None	None
	None	In-house method, WI-TEC-M001,
	None	None
	None	In-house method, WI-TEC-M014,
	None	None
	None	None
	Pesticides	None
	None	None
	None	None
	None	None
	None	AOAC 990.12,19" Edition 2012
	None	In-house method, WI-TEC-M015M,
	Fat	In-house Method SOP-0217-1008
	Total Sugar (Titration)	AOAC 968.28, Edition, 2005
	Vitamin C	In-house Method SOP-0217-1015 by
	Energy as Calories	In-house Method SOP-0217-1032
	Shigella	FDA/BAM Chapter 6, Feb 2013
	None	None
	None	None
	Tin (Sn)	In-house Method C/FOD/029
	None	None
	Ascorbic Acid (Vitamin C)	In-house Method C/FOD/003
	None	None
	None	None
	None	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Staphylococcus aureus -" Most Probable Number	AOAC 987.09
	Enumeration of Mesophilic Lactic Acid	ISO 15214: 1998
	None	None
	Detection & Enumeration of Coliform	AS 5013.3 - 2022
	Enumeration of Coliform	FDA-BAM Chapter 4 (I.G)
	Detection & Enumeration of Escherichia coli	AS 5013.15 -" 2006
	Enumeration of Escherichia coli	FDA-BAM Chapter 4 (I.G)
	Detection of Salmonella spp.	AS 5013.10 - 2009
	Enumeration of Yeast and Molds	FDA -" BAM Chapter: 18
	Detection of Listeria monocytogenes	In-house Method M/FOD/010 based on FDA -" BAM Chapter 10:2011
	Enumeration of Bacillus cereus	In-house Method M/FOD/011 based on FDA -" BAM Chapter 14:2012
	Enumeration of Fecal Coliform	CMME of Foods - Chapter 8.8
	Clostridium perfringens Count	ISO 7937:2004
	Tin	None
	Sugar Profile:	In-house method SGS-TM-FOOD-104
	Folic acid	In-house method SGS-TM-FOOD-106
	Metals Contaminants Arsenic, As Lead, Pb Copper, Cu	In-House Method, SGS-WI-LAB-028 based on AOAC 986.15, 975.03, 922.02, 2011.14 & 2015.01, APHA 3120B and APHA 3125B
	Total Sugars	In-house method, SGS-TM-FOOD-
	Water activity	In-house method, SGS-TM-FOOD-
	None	None
	Vitamin A	In-house method SGS-TM-FOOD-050 based on Bull. Dept. Med Sci, Vol 37, No. 1 Jan -" March 1995,
	Total Aerobic Count	AOAC 989.10: 2005 & AOAC
	Listeria monocytogenes	In-house method, SGS-TM-MICR-
	None	None
	Porcine DNA	In-house method, SGS-TM-BIOT-
	Total Plate Count	AS 1766.2.1-1991
	Listeria monocytogenes	ISO 11290-1:2017 (E) / Detection
	Salmonella spp.	ISO 6579:2017 (E) / Detection
	Bacillus cereus	ISO 7932:2004 (E) / Enumeration

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Bacillus cereus	ISO 21871:2006 (E) / Detection and
	Vibrio parahaemolyticus	ISO/TS 21872-1:2017(E) / Detection
	Escherichia coli	ISO 7251:2005 (E) / Detection and
	E. Coli 0157	ISO 16654:2001(E) / Detection
	Yeast and Mould Count	In-house method Ref. No. MOH:
	Aerobic Plate Count	In-house method based on AOAC
	Coliform	ISO 4831:2006 (E) / Detection and
	Mesophilic Lactic Acid Bacteria	ISO 15214:1998 (E) / Enumeration
	DNA Extraction	In-house Method, Ref. No. MOH
	Benzoic acid	In-house Method, Ref. No. MOH:
	Saccharin	In-house Method, Ref. No. MOH:
	Sulphur Dioxide	In-House Method, Ref. No. MOH:
	Boric acid	In- House Method, Ref. No. MOH:
	Formaldehyde	In-house Method, Ref. No. MOH:
	Egg Allergen ? Qualitative	In-house Method, Ref. No. MOH:
	Peanut Allergen ? Qualitative	In-house Method, Ref. No. MOH:
	Milk Allergen- Qualitative	In-house Method, Ref. No. MOH:
	Gladiin Allergen ? Qualitative	In-house Method, Ref. No. MOH:
	Soy Allergen- Qualitative	In-House Method Ref. No. MOH
	Crude Fibre	AOCS Ba 6-84
	None	Microbiology of food and animal
	None	feeding stuffs- Horizontal method for
	Listeria monocytogenes	the detection and enumeration of
	Listeria monocytogenes	Listeria monocytogenes- Part 1:
	Listeria monocytogenes	Detection Method
	Listeria monocytogenes	Method No: MOH
	Listeria monocytogenes	AOAC Official Method 991.14 3M-,¢
	Escherichia coli / Coliform	Petrifilm-,¢ E.coli / coliform count Plates
	Escherichia coli / Coliform	Method No: MOH K03-203
	Escherichia coli / Coliform	AOAC Official Method 990.12 3M-,¢
	Aerobic Count Plates	Petrifilm-,¢ Aerobic Count Plates
	Aerobic Count Plates	Method No: MOH
	Aerobic Count Plates	AOAC Official Method 2003.07
	Staphylococcus aureus	2003.08, 2003.11 3M-,¢ Staph Express Count Plate
	Staphylococcus aureus	Method No: MOH K03-205
	Staphylococcus aureus	AS/NZS 1766.2.9:1997 Examination
	Staphylococcus aureus	for specific organisms- Vibrio
	Vibrio parahaemolyticus	parahaemolyticus of Australian
	Vibrio parahaemolyticus	Standard
	Vibrio parahaemolyticus	Method No: MOH K03-310

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Vibrio parahaemolyticus	ISO 7932, Third Edition 2004-06-16
	Vibrio parahaemolyticus	Microbiology of food and animal
	Vibrio parahaemolyticus	feeding stuffs -" Horizontal method
	Bacillus cereus	for the enumeration of presumptive
	Bacillus cereus	Bacillus cereus -" Colony- count
	Bacillus cereus	technique at 30°C
	Bacillus cereus	Method No: MOH (1)
	Bacillus cereus	ISO/TS 22964:2006 (E)
	Enterobacter sakazakii	IDF/RM 210:2006 (E) -" Detection of Enterobacter sakazakii
	Enterobacter sakazakii	Method No: MOH K03-115
	Enterobacter sakazakii	ISO 16654:2001 (E) -" Horizontal
	E. coli 0157	method for the detection of Escherichia coli 0157
	E. coli 0157	Method No: MOH
	Coagulase positive staphylococci	ISO 6888-1:1999/Amd.1:2003 (E)
	Coagulase positive staphylococci	Method No: MOH KO3-105 (1)
	Vibrio Species other than cholerae	other than Vibrio parahaemolyticus and Vibrio cholera
	Vibrio Species other than cholerae	Method No: MOH KO3-111 (2)
	Vibrio Species other than cholerae	ISO 10272 -" 1: 2006 (E)
	Vibrio Species other than cholerae	Horizontal
	Vibrio Species other than cholerae	Method for Detection and
	Camphylobacter spp	Enumeration of Camphylobacter spp. -" Part 1: Detection Method
	Camphylobacter spp	Method No: MOH (1)
	Camphylobacter spp	ISO 11290-2: 1998 / Amd. 1:2004 (E)
	Camphylobacter spp	Horizontal Method for Detection and
	Camphylobacter spp	Enumeration of Listeria
	Listeria monocytogenes	Monocytogenes Part 2 = Enumeration Method, Amendment 1 :
	Listeria monocytogenes	Modification of enumeration Medium
	Listeria monocytogenes	Method No: MOH (1)
	Boric Acid	E03-003 The Determination of
	Water soluble synthetic food colour (see Appendix I)	Water Soluble Synthetic Food
	Water soluble synthetic food colour (see Appendix I)	Colour in Food by Paper
	Water soluble synthetic food colour (see Appendix I)	Chromatography and UV/ V15
	Water soluble synthetic food colour (see Appendix I)	spectrophotometer
	Water soluble synthetic food colour (see Appendix I)	In -" House Method, Ref. No. MOH
	Total Plate Count (TPC)	FDA Food and Drug =
	Determination of Boric acid in Food	FQL-TM-FA205 In-House Method

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	by UV-Vis Spectrophotometer	based International Food on
	by UV-Vis Spectrophotometer	Research Journal 17: 1107-1112
	by UV-Vis Spectrophotometer	(2010)
	Total Plate Count in Food by	AOAC Official Method 990.12
	using 3M Petrifilm Aerobic Count	None
	Plate	None
	Enumeration of Escherichia Coli	AOAC Official Method 991.14
	in Food by using 3M Petrifilm	None
	Escherichia Coli/Coliform Count	None
	Plates	None
	Enumeration of Coliform in Food	AOAC Official Method 991.14
	by using 3M Petrifilm Escherichia	None
	Coli/Coliform Count Plates	None
	Enumeration of Staphylococcus	AOAC Official Method 2003.07
	Aureus in Food by using 3M	None
	Petrifilm Staph Express Count	None
	Plates	None
	Detection of Bacillus Cereus in	Compact Dry -œNissui-• Bacillus
	Food	Cereus
	Detection of Salmonella in Food	Bacteriological Analytical Manual,
	Detection of Salmonella in Food	Chapter 5, Salmonella
	Detection of Salmonella in Food	AOAC Official Method of Analysis
	by using 3M Petrifilm Salmonella	2014.1
	Express System	None
	Salmonella spp.	ISO 6579-1:2017
	Analysis of	Analysis of Organophosphorus
	OrganophosphorusMethod: AOAC	
	2007.01	
	Analysis of Organophosphorus	
	Total Plate Count (TPC)	FDA Food and Drug =
	Aerobic Plate Count	AOAC Official Method 990.12
		Aerobic
	Bacillus cereus	ISO 7932:2004 (E) Microbiology of
		Food
	Yeast and Mold	AOAC Official Method 2014.05
	Enumeration of	MOH Based on AOAC
	Enumeration of Mesophilic	MOH MMEF Part 4 Section
	Campylobacter spp	MOH (1): ISO 10272-
	Gram Negative Pathogens	In-house Method, Ref. No. MOH
		RO3-
	Boric Acid	In-house Method, Ref. No. MOH
	Water Soluble Colours	In-house Method, Ref. No. MOH
	Moisture	In-house Method Ref. No. MOH
		J03-
	Ash	MOH Determination Of Ash
	1) Antimoni	MOH The Determination of
	Water Activity	In-House Method MOH J03-049:
	Soluble Solid	In-House Method MOH J03-018:

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Food Material, Fta Card	Mercury	In-House Method MOH H03-015:
	Acrylamide	In-House Method MOH NO3-015:
	Pseudomonas aeruginosa	APSN Pseudomonas aeruginosa
	Pseudomonas aeruginosa	APSN Pseudomonas aeruginosa
Food Product	None	None
	None	test kit
	None	None
	None	None
	None	None
	Total Fat	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Total Sugar	In-house method
	Fat	AOAC 989.05
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Detection of Salmonella spp.	JKM M 3101
Food Products	Metal & Elements	ICP-MS
	Metal & Elements	ICP-MS
	Aerobic Plate Count	BS EN ISO 4833-1:2013 (Pour Plate) AOAC 990.12; 986.33; 989.10 (Petrifilm Method)
	Coliform Count	BS ISO 4831:2006 (MPN)
	Energy Content as Calories	Method of Analysis for Nutrition
	Total Dietary Fiber	Method of Analysis for Nutrition
	Sulphur Dioxide	In-house method, CL/FD/005, based
	Nitroimidazoles	SN/T 1928-2007 (LC-MS/MS)
	Standard Plate Count	AS 5013.5:2016 (Pour Plate Method)
	Enterobacteriaceae Counts	AS 5013.8.2-2019 (Pour Plate
	None	None
	Cadmium	In-house method CCF-35 based on
	Mercury	In-house method CCF-36 based on
	pH	SO 1842:1991

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	Escherichia coli (MPN)	FDA-BAM Chapter 4 (2020)
	Determination of Fatty Acid	JKM F1003 based on AOCS official
	Determination of Total Fat	In-house Method JKM F1213,
	Total Dietary Fibre	AOAC 985.29 (Enzymatic-
	Saccharin	In-House No. FH15 (Based on
	None	In-House No. FHO3 (Based on BSEN
	Nitrate as	In-House No. F90 GB5009.33-2010
	Metal	In-House No.F88 (Based on
	Vitamin D3 (Cholecalciferol)	In-House No.FL 02
	Total Aflatoxin	In-House No. M14 (Based on Direct
	Ochratoxin	In-House No. M17 (Based on Direct
	Vibrio cholera	In-house M54 Qualitative Detection using Real- Time PCR.
	None	based on USP 27
	None	In House Method MY/STP/369
	None	None
	None	None
	None	None
	None	011 Determination of
	Total Combined Yeasts/ Moulds Count	BP 2020/Volume XVI B
	Coliform Count	FDA BAM Chapter 4, 2020
	Bile-Tolerant Gram-Negative Bacteria	BP 2020/Volume XVI B
	Detection of Specific Microorganism	BP 2020/Volume
	Pseudomonas aeruginosa	XVI B
	Staphylococcus aureus	None
	Escherichia coli	None
	Salmonella spp	None
Food Samples (liquid, Semi-	None	feeding stuffs- Horizontal method for
	None	None
Food:	None	based on ISO 6579:2002
	Multi-Residue Analysis of	In-house test method
	Multi-Residue Analysis of	In-house test method
	Energy/Calories	Method of Analysis for Nutrition
	Metals/Minerals	In-house Method, WI/JC-LAB/041,
	Benzoic Acid	In-house Method WI/JC-LAB/043
	Metals/Minerals	In-House Method WI/JC-LAB/033
	None	- High Performance Liquid
Formulated Preparations	None	based on BP 2012, Volume V,
	None	based on BP 2012, Volume V,

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Formulated Preparations)	None	based on BP 2012, Volume V,
	None	based on BP 2012, Volume V,
	Bioclean	Chemotherapy, 2001
	None	2008, page 149-151, HPLC
	None	2008, page 149-151, HPLC
Fta Card	Bioclean	Chemotherapy, 2001
	None	based on APSN Babesia canis
	None	based on APSN Babesia gibsonii
	(IBDV)	None
	Disease Virus	31RPCR-M076
Gluten, Animal Feed & Pet	None	31RPCR-M048
	None	31RPCR-M048
Goats & Swine)	None	based on Varian Food Safety
Grains, Cereals, Nuts, Animal	None	based on Varian Food Safety
	Aflatoxin	In-house method, 11ELSA-E011,
Herbs	Mycotoxin	ELISA
	Aluminium, Barium, Beryllium,	None
	None	003 based on AOAC 950.27,
Infant Milk Formula, Fta Card	Moisture	AOAC 986.21
	Klebsiella oxytoca	APSN Klebsiella oxytoca
	Cronobacter sakazakii	APSN Cronobacter sakazakii
	Klebsiella oxytoca	APSN Klebsiella oxytoca
Joint Swab, Fta Card	Cronobacter sakazakii	APSN Cronobacter sakazakii
	None	None
Juice & Flavoured Drink	None	None
	None	based on Journal of
Kidney, Lungs), Fta Card	& 2) and Porcine Parvovirus	31CPCR-M015
	None	31RPCR-M030
	Type-2	31RPCR-M073
Kidney, Spleen). Fta Card	None	31CPCR-M067
Kidneys, Intestine (including	None	None
	None	None
Liquid, Semi-liquid Or Solid	Salmonella spp. in food	In-house method 21BACI-B045
Liver, Heart Tissues), Fta	None	None
	None	None
Lymph Nodes, Lungs), Fta	None	31CPCR-M115
Margerine	None	Chromatography A. Vol. 1073;
	None	2005,
Material From Source, Fta	None	None
	gene)	31RPCR-M058
Material, Finished Feeding	(lectin gene)	31RPCR-M058
	None	based on ISO 15214:1998
Materials)	None	Microbiology of food and animal
Materials, Eggs, Embryo,	None	None
Materials, Feeds, Feedstuffs	Derivatives (Halal Verification)	31CPCR-M014
	Derivatives (Halal Verification)	31CPCR-M014
Meat	Qualitative	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Lead, Antimony, Tin, Calcium,	based on US FDA Elemental
	Lead, Antimony, Tin, Calcium,	based on US FDA Elemental
	ether extract in meat	None
	Ash	AOAC 920.153
	None	None
Meat & Meat Product	Listeria spp.	Romer Labs RapidChek®Listeria
	Lead (as Pb)	None
Meat & Meat Products,	Lateral Flow Test	RomerLabs RapidCheck E. coli
	Escherichia coli 0157	RomerLabs RapidCheck E. coli
Meat And Meat Products	None	Microbiology of food and animal
	Coliform and Escherichia	AOAC Official Method 991.14
	Total plate count	AS 1766.2.1 (1991)
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	981.12 & 943.02
	Glucose	None
	None	None
	None	None
	None	based on Bacteriological Analytical
	Nitrofurantoin Metabolites	In-House Method, Ref No
	Sulphadiazine	Leo M.L Nolleti, Liquid-Liquid
	Total Plate Count	In-house method LWM 3 based on
	Total Plate Count	In-house method LWM 3 based on
	Beta Agonist	In-House No. M18 (Based on Direct
	Tetracycline	In-House Method SOP-0217-1021
	Moisture	AOAC 950.46
	Beta-agonist (B-agonist)	In-house method SGS-TM-FOOD-
	None	None
	Fat	In-house method, Ref. No. MOH:
	DNA Extraction	In-house Method, Ref. No. MOH G03-
Meat, Dairy Product, Chicken	None	31CPCR-M013
	None	31CPCR-M010
	None	31CPCR-M013
	None	31CPCR-M010
Meat, Fta Card	None	None
	None	None
Meat, Seafood, Fta Card	None	None
	None	None
Meat/ Meat Products	Dinitrocarbanilide	In-house method 41LCMS-C135
	Dinitrocarbanilide	In-house method 41LCMS-C135
Meat/ Tissue Matrices	Chloramphenicol	In-house method, 41LCMS-C018,
	Chloramphenicol	In-house method, 41LCMS-C018,

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Microbiology (continued)	Most Probable Number (MPN)	None
Milk And Milk Products	None	the detection of Salmonella spp.
	Enterobacter sakazakii	ISO/TS 22964:2006 (E)
	Vitamin A	In-House Method CLWI-TEC-M036
	None	None
	None	None
	None	None
	Ash	In-House Method LWI-TEC-F005 based
	Fat	In-House Method LWI-TEC-F003 based
	Fat (Weibull Berntrop)	8262-3 (E)
	Crude Protein	In-House Method LWI-TEC-F001 based
	None	None
	Total Solids	AOAC? 990.28
	None	(Detection)
	Oxytetracycline	None
	Enterobacter sakazakii	ISO/TS 22964:2006(E) IDF/RM 210 :
	Fat	In-house method Ref. No. MOH:
	Enterobacter sakazakii	ISO/TS 22964:2006 (E)
Nasal Swab	None	None
	None	None
	None	None
	Culture	Manual method as documented in
	Culture	HRPB/PATH/MC/STM:07
	Organism identification	Conventional Biochemical set and
	Organism identification	automated identification using Vitek &
	Organism identification	Bruker as documented in
	Organism identification	HRPB/PATH/MC/STM:81
	Culture & Sensitivity	Manual Method as documented in HM/JP/MI/WI-008
	MRSA Screening	Culture: Manual Method as documented in
	MRSA Screening	HUSM/MICRO/STM-01(01)
	MRSA Screening	Identification: Vitek Automated ID Machine /
	MRSA Screening	Manual method as documented in
	MRSA Screening	HUSM/MICRO/STM-01(02)
	MRSA Screen	Manual Method as Documented in CSS/LAB/WI/M/019
	MRSA Screen	Manual Method as Documented in CSS/LAB/WI/M/019
	Culture	Processing of nasal swab specimen on culture

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	media - As documented in A4QD021
	Culture	As documented in A4QD020 - Alert organism
	None	screening
Nasal Swab, Tissues (lung,	None	None
	None	None
Non-leafy Vegetables, Water	None	None
Organ And Environmental	None	None
Organ, Cloacal Swab, Faecal	Bacteria Identification (up to	In-house method
	Methicillin Resistant	In-house method
Organs	Lactic Acid Bacteria Count	In-house method 21BAMC-B023
	None	Rapid Yeast & Mold Count Plate
Organs/ Pooled Organ E	None	None
Oropharyngeal Swab,	(ILTV)	None
Others E	None	None
	Organism by Polymerase Chain	Conventional PCR
	Examination for specific	Real Time PCR
Peacock & Quail)	None	None
Pharmaceutical Preparations)	None	HPLC
	None	HPLC
Pharmaceutical Products	None	None
	Anti-Salmonella Activity by 96-	In-house method 21BAMC-B046
	Nystatin Assay	In-house method,
	Amoxicillin Assay	In-house method 41HPLC-C093
	Nystatin Assay	In-house method, 41HPLC-C001,
	Amoxicillin Assay	In-house method 41HPLC-C093
	None	Rapid Yeast & Mold Count Plate
	Anti-Salmonella Activity by 96-	In-house method 21BAMC-B046
	None	onAOAC Official Method 999.10
	Assay of active ingredient:	None
	None	None
	Assay of active ingredient:	None
	None	None
	None	None
	Mercury	BP 2013, Vol. V, Appendix VII & IID
	Cd, Pb, As and Hg	In-house method
	Total Aerobic Microbial Count	USP 40 (61):2017
	Pseudomonas aeruginosa	USP 40 (62):2017
	None	None
	Bacteria	None
	Mercury	BP 2019, Vol. V Appendix VII & IID
	None	None
	None	None
	Cadmium, Lead	US EPA 6010D (Determination)
	None	None

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Pharmaceutical Products/	Arsenic	In-house Method SOP-0217-1017,
	Colistin	In-house method 41HPLC-C009
	Colistin	In-house method 41HPLC-C009
Porcine E	None	None
	None	None
	None	None
Porcine Serum E	Mycoplasma hyopneumoniae	method
	Aujeszky-™s Disease Virus (ADV-	method
Prawn)	None	None
Prawn, Aquaculture Samples, Fish, Fta Card	White Spot Syndrome Virus Taura Syndrome Virus	APSN WSSV 31CPCR-M068 APSN TSV 31CPCR-M069
Premix	Magnesium, Phosphorus, Silver,	None
	None	based on BP 2012, 607-608, HPLC
	None	based on BP 2012, 607-608, HPLC
	Determination of Bitumen	ASTM D
	Determination of Bitumen	ASTM D2172_D2172M-17
Probiotics Product)	None	None
Processed Food, Frozen	Staphylococcus aureus	APSN Staphylococcus aureus
	Listeria monocytogenes	APSN Listeria monocytogenes
	Staphylococcus aureus	APSN Staphylococcus aureus
	Listeria monocytogenes	APSN Listeria monocytogenes
Processed Food, Leafy And Product	None	None
	None	None
	None	None
	None	None
	None	Traceable to:
	None	Food Microwave Digestion
	Furaltadone (AMAZ)	None
	None	None
	Boron	None
	Nitrite	based on AOAC 973.31, 17" Edition
	None	None
	Detection	Method
	Fatigue Test	MS 146:2014 Clause 7.3.4
	c) X, Y, Z Direction	None
Product And Agriculture	None	None
Production Animals:	None	None
Products)	None	None
	None	None
	Altitude simulation	Revised Edition,
	them, for use in portable applications	None
	for use in portable applications	Electrical Appliances and
	requirements for portable sealed secondary	IEC 62133-2:2017/AMD1:2021

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	IPA	None
	None	5994-2248EN, 2020 (LC-MS/MS)
	None	Page V-A494
	None	Sulphites calculated as Sulphur
	None	Ref : Official Methods of
Products, Water, Liquid	Standard Plate Count (SPC)	In-house method
	None	None
Ready To Eat Food,	None	None
Ruminant (cattle, Sheep,	None	None
Sample And Fluids	None	None
Sample From Aquaculture	Aeromonas hydrophila	APSN Aeromonas hydrophila
	Aeromonas hydrophila	APSN Aeromonas hydrophila
Samples	None	None
	None	21BAMC-B015
	None	None
	Examination and Reporting	Specimens as documented in DQP-
	Examination and Reporting	APD-008
	Examination and Reporting	documented in
	Examination and Reporting	DQP-APD-014
	Culture procedure for	Conventional method as documented
	Mycobacterium using conventional method	in MKAI/SP/TB/WI-05
		None
	Culture procedure for Mycobacterium using BACTEC. MGIT 960	Automated BACTEC MGIT as documented in MKAI/SP/TB/WI-06
		None
	Egg-based media preparation	Manual method as documented in
	Egg-based media preparation	MKAI/SP/TB/WI-04
	Storage and Maintenance of Mycobacterium species cultures	Skimmed Milk as documented in
	Examination-acid fast	MKAI/SP/TB/WI-07
	Microscopic examination	(GPQD/MIC/SOP-79)
		documented in GPQD/MIC/SOP-80 and
	AFB Stain	GPQD/MIC/WI-12)
Samples, Food Samples	Standard Plate Count (SPC)	In-house method
Sauce	Magnesium, Phosphorus, Silver,	None
	None	985.29, Edition, 2000
	None	985.01 Edition, 2000
	None	None
	Howard Mould Count	JKM M 3021
	None	MS 952: 2012
	None	None
Sause & Paste	Benzoic acid	In-house method 41 HPLC-C088
Seafood	None	test kit
	Cadmium (Cd)	AOAC 999.10
	None	on Competitive Enzyme

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Total Volatile Basic Nitrogen	In-house method, CL/FD/009, based
	Zinc	None
	None	None
	None	None
	Tin e	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Fluoroquinolone and Quinolone:	In-house method, SGS-TM-FOOD-
	Salmonella spp.	None
	Escherichia coli 0157	0157 test kit 21LAFL-B086
Seafood & Seafood Products,	None	0157 test kit 21LAFL-B086
Solid & Solid Foods)	None	None
Solid And Solid Foods)	None	the enumeration of mesophilic lactic
Solid Or Liquid Form, Fta Card	None	None
	None	None
Source, Fta Card	None	None
	None	None
Soya Bean Milk, Any Raw	GMO Round Up Soy (lectin	APSN GMO Round Up Soy
	GMO Round Up Soy	APSN GMO Round Up Soy
Specimens From Companion	None	None
Specimens From Food	None	None
Stuffs	None	None
Swab, Faecal Sample, Tissues	(van A)	31RPCR-M035
	None	31CPCR-M012
	None	31CPCR-M012
Swab, Faecal Sample, Tissues (liver, Yolk, Git), Fta Card	Enterococci (VRE)	31CPCR-M008
Swab, Faecal Samples, Oro-	None	None
	Virus	31RPCR-M075
Swab, Fta Card	None	31RPCR-M044
Swab, Tissues (lungs) Fta	Metapneumovirus	31RPCR-M077
Swab, Tissues (lungs), Fta	Head Syndrome (APV/SHSV)	None
Swabs	Petrifilm	3M-„¢ Petrifilm-„¢ Product Instructions
	None	None
	None	None
	Listeria spp.	Romer Labs RapidChek®Listeria
	Allergen- Gluten	In-house Method, CL/FD/033, Based
	None	None
	None	HCTM/JPMD/ISO15189/BAKTE/A K-07

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Gram stain for clue cells	Gram Stain method as documented in
	Gram stain for clue cells	DSI-BAC-005-E01
	Culture & Sensitivity	Method as documented in
	Culture & Sensitivity	DQP-BAC-001-E01
	Culture & Sensitivity	DQP-BAC-002-E01
	Culture & Sensitivity	DQP-BAC-003-E01
	Culture & Sensitivity	DQP-BAC-004-E01
	Culture & Sensitivity	DSI-BAC-011-E01
	Culture & Sensitivity	DSI-BAC-012-E01
	Culture & Sensitivity	DSI-BAC-014-E01
	Direct Smear-Gram Stain	Gram Stain method as documented in
	Direct Smear-Gram Stain	DSI-BAC-005-E01
Swabs (cloacal Swabs, Floor	None	None
Swabs From Dog, Skin/fur	Microsporum canis	APSN Microsporum canis
Swabs, Feed, Water,	species) by Automated Bacteria	21BAMC-B038
	Staphylococcus aureus (MRSA)	21BACI-B006
Swabs, Food Product And	species) by Automated Bacteria	21BAMC-B038
Swabs, Organs, Water, Liquid	None	None
Swabs, Table Swabs & Egg	None	None
Tissue (spleen, Kidney,	Porcine Parvovirus (PPV)	APSN Parvovirus
Tissues (head, Trachea, Lungs, Air Sacs), Nasal Swab, Tracheal Swab, Fta Card	Avibacterium paragallinarum	APSN Avibacterium paragallinarum 31CPCR-M118
Tissues (kidney, Bursal),	Infectious Bursal Disease Virus	APSN IBDV 31CPCR-M006
	DIVA Assay-Infectious Bursal	APSN IBDV (DIVA)
Tissues (kidney, Faeces, Tracheal Mucosa, Gizzard),	Adenovirus Group 1	APSN Adenovirus Group 1 31RPCR-M031
Tissues (lungs, Kidneys),	Infectious Bronchitis Virus (IBV)	APSN IBV 31CPCR-M005
Tissues (lymph Nodes), Fta	Porcine Reproductive and	APSN PRRSV 31CPCR-M016
	PRRS-EU strain	APSN PRRS-EU
Tissues (lymph Nodes,	Porcine Circovirus 1 & 2 (PCV 1	APSN Multi-, PCV 1, PCV 2 & PPV
	Porcine Circovirus Type-2	APSN PCV-2
	DIVA assay Porcine Circovirus	APSN PCV-2 (DIVA)
Tissues (not Limited To Kidney, Proventriculus, Brain, Liver, Spleen, Lungs, Sciatic Nerves & Bursa), Fta Card	Avian Leukosis Virus Subtype J	In-house method 31CPCR-M105 based on APSN ALVJ
Tissues (ovaries, Oviduct,	Egg Drop Syndrome (EDS)	APSN EDS
Toxicology & Food	None	None
	None	None
	None	None
	None	None
Tracheal Mucoso Swab,	(793B/D274/Massachusetts)	None
Tracheal Mucosa Swab,	Pasteurella multocida	APSN Pasteurella multocida
	Infectious Bronchitis Virus- QX	APSN IBQX

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Tracheal Swab,	Infectious Bronchitis Virus -	APSN IBV-Massachusetts
	Infectious Laryngotracheitis	APSN ILT 31CPCR-M017
	None	None
	None	None
Tracheal Swab, Cloacal	Newcastle Disease Virus (NDV)	APSN NDV 31CPCR-M004
	DIVA Assay-Newcastle Disease	APSN NDV (DIVA)
Tracheal Swab, Tissues	Mycoplasma gallisepticum and	APSN MG/MS
	Mycoplasma gallisepticum (MG)	APSN Mycoplasma gallisepticum
Tracheal Swab, Turbinate	Avian Metapneumovirus-Swollen	APSN APV 31CPCR-M002
	DIVA Assay-Avian	APSN APV (DIVA)
Traditional Medicines	None	None
	None	None
	Cadmium	on AOAC Official Method 2015.01
	None	None
	Total Aerobic Microbial Count (TAMC)	BP 2019 Ph Eur 2.6.12
	Burkholderia cepacia complex	USP (2021)
	None	AOAC 975.03 (Sample Preparation)
Turbinate Swab, Faeces,	None	None
Turbinate Swab, Tissues	None	31RPCR-M060
	strain	31CPCR-M112
	Mass	31RPCR-M084
Urine And Water	Beta-agonists	LCMS/MS
	Beta-agonists	LCMS/MS
Vegetables, Meat And Meat Product)	None	None
Veterinary Drugs &	Escherichia coli	In-house method 21BACI-B066
	Total Aerobic Microbial Count	In-house method 21BAMC-B065
	Escherichia coli	In-house method 21BACI-B066
	Total Aerobic Microbial Count	In-house method 21BAMC-B065
Virology	None	Immunology/ Serology method:
	None	Immunology/ Serology method:
	None	Molecular method:
	None	Molecular method:
	None	Molecular method:
	None	Molecular method:
	None	Molecular method:
	None	Molecular method:
	Extraction of Nucleic Acid	PBPS Bintawa/VIR-EX 01: RNA Extraction
	Infectious Myonecrosis	PBPS Bintawa/VIR-IMNV 01: Detection of
	Extraction of Nucleic Acid	PBPS Bintawa/VIR-EX 01: RNA Extraction
	Infectious Myonecrosis	PBPS Bintawa/VIR-IMNV 01: Detection of
	None	None

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	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Antifungal Sensitivity	None
	None	None
	TB Culture	None
	None	None
	None	None
	(TPHA) Test	None
	None	None
	Hepatitis B screening	Hepatitis B surface Antigen Test as
	None	None
	None	None
	(TPHA) Test	None
	PCR	nan
	Blood Culture	None
Water	Bacillus cereus	In-house method 21BAMC-B036
	None	None
	Pseudomonas aeruginosa	In-house method 21BAMC-B064
	Total Coliforms	In-house method 21BMPN-B075
	Bacillus cereus	In-house method 21BAMC-B036
	Pseudomonas aeruginosa	In-house method 21BAMC-B064
	Total Coliforms	In-house method
	None	PCL)
	Acute Hepatopancreatic	In-house method SD?QC-WI-305 :
	None	None
	Pathogen	, , , APHA 9222A,
	None	None
	Temperature	APHA 2550 B
	Phosphorus	APHA 4500 P C
	Bromodichloromethane,	In-house Method, CL/WT/008 based
	Metals by ICP	APHA 3120 B
	Mercury	APHA 3112 B
	Chlorpyrifos	In-house Method, CL/WT/011,
	Aluminium	APHA 3125 B (ICP-MS)
	Gross Alpha, Gross Beta	ISO 11704:2018
	Heterotrophic Plate Count	APHA 9215 B (Pour Plate Method)
	pH	APHA - 4500-H B
	None	ASTM D 1293-18
	None	None
	None	None
	None	ASTM D 1293-18

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	None	None
	Turbidity	APHA 2130 B
	pH	APHA 4500 H* B 23rd Edition
	Total solid dried at 103°C -" 105 °C	APHA 2540 B (2005)
	Enumeration of Plankton	Marine Water (PBPKL-STP-PP-1)
	None	APHA 4500 Norg B (2017) and
	None	USP Chapter Bacterial
	Coliform, Fecal Coliform &	APHA 9222 B.G.H.D
	None	APHA 3111 B, 2017
	None	APHA 3111 B, 2017
	None	None
	None	from HACH Method 8023, DR3900
	PH test	APHA 4500 H*B Edition 2017)
	Total suspended solids	APHA 2540 D Edition 2017)
	Turbidity Test	APHA 2130 B Edition 2017)
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	MLSS	None
	Hydrocarbon, PAH	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Selenium (Se) Chromium (Cr)	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Ammonical Nitrogen	APHA 4500-NH3
	None	None
	Lead	APHA 3120 B
	Tin	None
	Iron	None
	Heterotropic plate count	APHA 9215 D
	Standard total coliform	APHA 9222 B

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	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,
	None	on APHA 4110 B-"Ion
	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
	Heterotrophic 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

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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 ,	APHA 3500-Ca B, 2017
	Magnesium (by Calculation Method)	APHA 3500-Mg B, 2017
	Nitrate	APHA E, 2017
	None	None
	None	None
	None	None
	None	None
	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

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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
	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

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	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 Liquid Samples & Water Sample	None	None
Water Sample	Bacteriological Water Quality	In-house method
	Bacteriological Water Quality	In-house method
Water Sample, Fta Card	Legionella pneumophila	APSN Legionella pneumophila
	Legionella pneumophila	APSN Legionella pneumophila
Water/ Clear Liquid Samples	None	None
	None	None
Whole Blood, Fta Card	Feline Immunodeficiency Virus	In-house method 31CPCR-M103 based on APSN FIV
Whole Blood, Red Blood Cell,	Babesia canis	In-house method 31CPCR-M107
	Babesia gibsonii	In-house method 31CPCR-M106

SCOPE OF TESTING : MICROBIOLOGY

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
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SCOPE OF TESTING : NUCLEIC ACID

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
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SCOPE OF TESTING : VETERINARY

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
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