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LABORATORY LOCATION/ CENTRAL OFFICE:	Indelab Sdn. Bhd. 33 & 33-1, Jalan Permai 1C/KS09 Taman Pendemaran Permai 42000 Port Klang, Selangor , 42000, SELANGOR MALAYSIA
	
ACCREDITED SINCE :	18 MARCH 2025
FIELD(S) OF TESTING:	CHEMICAL

<p>This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).</p> <p>This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).</p>	
CENTRAL LOCATION:	Indelab Sdn. Bhd. 33 & 33-1, Jalan Permai 1C/KS09 Taman Pendemaran Permai 42000 Port Klang, Selangor , 42000, Selangor
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
(continued)	None	None
	None	None
	None	None
	None	None
	(High Volume Sampler	None
	None	None
	None	based on Pearson-™s Composition
	and Water Insoluble Ash	Chemical Analysis of Food 8'
	None	based on Pearson-™s Chemical
	None	on Pearson-™s Chemical Analysis of
	None	Based on British Pharmacopoeia

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	None	2005 and Vol. 84, No. 5, 2001 and
	Qualitative Determination of	JKMPP F 0105* based on Pearson-™s
	None	None
	None	MS 417: Part 7 : 1994 (First Revision) (Carmine) as
	None	(Ref: FGVLAB-LTM-B02B)
	A. Treated Effluent (Reference	2011 (Reference Method) (Ref:
	None	(Ref: FGVLAB-LTM-B17)
	Calcium	APHA 3500 Ca.A /3111B
	Phenol	HACH Method 8047
	None	Day BOD Test, APHA 4500-0 C Azide
	None	Mg B: Determination of Magnesium
	None	Vapour Atomic Absorption Spectrometric
	None	None
	Total MgO	In-house Method (Ref. No. F7)
	None	Level 2]
	None	BS 6177:1982 Clause 9.6
	Shear Stiffness	AS 5100: Part 4 (2017),
	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

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Boron (as % B ₂ O ₃)	In-house Method P02-10 based on
	None	and Management unit PORIM 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)
	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

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	None	0.5 bar
	None	None
	Liquid Limit	None
	None	None
	None	None
	None	None
Agricultural Products And	None	None
	None	None
	Total Nitrogen (N)	In-House Method TOM(S)008 based
	None	Malaysian Standard (1994),
	None	None
	None	None
	None	None
	Phosphorus (as %	In-House Method Ref. No.
	None	None
	None	None
	None	None
	None	None
	None	None
	Arsenic (as As)	None
	Moisture	In-house Method UHW02-02-1
	Total Potassium	In-house Method UHW02-06-1
	None	None
	None	None
	Moisture	MS 417: Part 2 :1994 (Oven Drying
	Total Magnesium (as MgO)	MS 417-6:2020, Clause 6.1, Method
Moisture	MS 417: Part 2 : 1994 (Oven Drying	
Moisture	MS 417: Part 2 :1994 (Oven Drying	
Total Phosphorous (as	In-house Method, Ref. No. F3,	
Agricultural Products And Materials	None	None
	None	None
	Shell and Dirt (Palm Kernel Expeller)	MS 607:1987 Appendix A
	Nitrogen	In-house Method 0515
	Preparation of Sample	In-house test method based on MS 417: Part 1 :1994
	Urea-Nitrogen	In-house test method based on MS 417: Part 3:1994 (First Revision) (Skalar Methods)
	Magnesium	In-house test method based on MS 417: Part 6 : 1994

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Moisture	In-house test method based on (Part 5 : Soil Analysis Procedure
	Volatile Matter	MPOB, Ref. No . P2.1, 2004
	pH	MS 678: Part 1: 1980
	None	107- 06-2-D.
	None	Fibre Tec 2010.
	None	None
	Method of Sample Preparation	In-house Method ID T001-S based on MS 678: Part 1: 1980
	Sample preparation	MS 677: Part I(a):1980
	Ashing and Preparation of Ash Solution	MS 677: Part
	Nitrogen (N)	MS 677: Part
	None	None
	Nitrogen Ammoniacal Nitrogen -	MS 417:Part 3: 1994 Clause 5
	None	None
	None	None
Animal Feedstuff	Crude Fat	None
Biomass	Gross Calorific Value of Biomass (Solid)	In-house method INDE M-005/18 based on ASTM D 5865-04)
Environmental Monitoring	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	None	None
	Preliminary Treatment of	None
	None	None
	Particulate Heavy Metals	None
	None	None
	None	None
	Silver (Ag)	USEPA 200.2 & USEPA 6010 D
	None	APHA 3120 B. 2005 & 2017
	Cadmium (as Cd)	APHA 3111 B, 2005 & 2017
	acid digestion	None
	Compositional analysis of	APHA 3120 B, 2017
	None	None
	2,4,6-trichlorophenol	None
	Heptachlor Epoxide Isomer B	APHA 6630 C, 2005 &
	5) Ethyl Chloride 6)	Mass Spectrophotometry)
	Trichloromonofluoromethane	
29 Tetrachloroethylene 30	None	
Dibromochloromethane		
None	None	
Suspended Particulates in the	None	

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Dioxide in the Atmosphere Using	2018)
	Concentration in the Stack Flue	JIS Z 8808, 1992
	Aluminium	APHA 3111 D, 2017
	None	APHA 3120 B, 2005 & 2017
	Cadmium (as Cd)	APHA 3111 B, 2005 & 2017
	acid digestion	None
	Compositional analysis of	APHA 3120 B, 2017
	None	None
	2,4,6-trichlorophenol	None
	Heptachlor Epoxide Isomer B	APHA 6630 C, 2005 &
	5) Ethyl Chloride 6)	Mass Spectrophotometry)
	Trichloromonofluoromethane	
	29 Tetrachloroethylene 30	None
	Dibromochloromethane	
	None	None
	Suspended Particulates in the	None
	Dioxide in the Atmosphere Using	2018)
	Concentration in the Stack Flue	JIS Z 8808, 1992
	Aluminium	APHA 3111 D, 2017
	None	None
	None	None
	None	None
	None	None
	None	None
	BOD 3 day 30°C	DOE Approved Method
	None	None
	Perchlorate	In-house Method QWI-CH/17-080 based on USEPA 6850
	Microscale Solvent Extraction of Solids	USEPA 3570 (Microscale Solvent Extraction) In-house Method QWI-OG/17-016
	Organochlorine and Organophosphate Pesticides (OCOPs)	In-house Method QWI-OG/17-052 using GC-MS/MS
	Sample and Velocity Traverses	USEPA 1
	PCDDs and PCDF Dioxin and Furan (Sampling)	USEPA 23A
	Biochemical Oxygen Demand A. Reference Method	DOE Method (1985) : 3 rd Edition 2011
	ammoniacal Nitrogen	APHA 4500-NH3 B & C (1998)
	pH	APHA 4500-H* B (2005)
	Hexavalent Chromium	APHA 3500 Cr-B (2005)
	Loss of Ignition	BS: EN 12879:2000
	Aerobic	OECD Method 301 C (1992)
	Nitrate	In-House Method TOM 13, based on
	Metals	None
	Tin	None

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	Anion	None
	None	None
	None	None
	None	None
	BOD 3	DOE -" Reference Method
	None	None
	None	None
	Potassium	None
	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
	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
	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

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

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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
	None	None
	None	based on MS 417: Part 2: 1994 (First
	Vickers Hardness 1 gf to 30 kgf (0.1 kgf and 1 kgf load)	E384-2017
	ii Lead (Pb)	None
	None	on BS EN 14084:2003
	None	based on MS 417: Part 3: 2020,
	None	Analysis: The Johan Kjeldahl
	None	based on MS 417: Part 3: 2020,
	N)	Analysis: The Johan Kjeldahl
	None	based on MS 417 Part 7:2020,
	Fertilizers	None
	None	None
	Vickers Hardness 1 gf to 30 kgf (0.1 kgf and 1 kgf load)	E384-2017
	Volume Resistance or Resistivity	None
	None	ANSI/ESD STM 11.12-2015
	None	None
	None	Method)
	None	Based on MS 417: Part 2 : 1994
	None	1: Atomic Absorption
	None	Method)
	None	Based
	None	on MS 417-3: 2020, Clause 12,
	None	Based on MS 417-4: 2020, Clause
Materials (continued)	None	None
	None	None
	None	based on MS 417: Part 5: 2020
Palm Kernel	Moisture and Volatile	None
	Moisture and Volatile Matter	MPOB Test Method, k1.2:2004
	Oil Content	MPOB Test Methods, k1.3:2004
	Shell & Dirt	MPOBk1.1: 2004
	Shell and Dirt (Admixture)	MS 236: 1989, Appendix E
	Moisture and Volatile Matter	MS 236: 1989, Appendix D
	Free Fatty Acid (FFA)	MS 236: 1989, Appendix C
	Shell and Dirt (Admixture)	MS 236:1989, Appendix E
	Determination of Moisture and	MPOB k1.2:2004
Palm Oil Product & Edible Oils	Moisture and Volatile Matter	MS 817:1989/ AOCS Ca 2c-25/ MPOB p2.1:2004/ ISO 662(1998)
	Determination of Carotene Content	MPOB p2.6:2004

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	Moisture and volatile matter	MPOB P2.1 Part 1 :2004
	Impurities	MPOB P2.2
	Peroxide value	MPOB P2.3
	Acidity / FFA	MPOB P2.5
	Saponification Value	MPOB P3.1
	Unsaponifiable matter	MPOB P2.7
	Iodine value	MPOB P3.2
	DOBI of crude palm oil	MPOB P2.9
	Slip melting point	MPOB P4.2
Waste Water & Effluents	pH	APHA 4500-H+ B
	Aluminium	None
	Aluminium	None

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