



# ACCREDITATION CERTIFICATE

**LB-TEST-023**

**Emirates International Accreditation Centre**

has accredited

**AL HOTY STANGER LABORATORIES**

ICAD, Mussafah, Abu Dhabi -United Arab Emirates

In accordance with the requirements of

**ISO/IEC 17025:2017**

General requirements for the competence of testing and calibration laboratories

to undertake the tests in the attached accreditation scope

This Accreditation is invalid without the attached accreditation scope and shall remain in force within the validity period printed below, subject to continuing compliance with the requirements of the accreditation criteria.

Validity: 07/10/2022 to 03/09/2025

Initial Accreditation Date: 18/07/2007



  
CHIEF EXECUTIVE OFFICER  
APPROVAL



## Accreditation Scope

### LB-TEST-023

## Al Hoty Stanger Laboratories

## ICAD, Mussafah, Abu Dhabi - United Arab Emirates

Date: 04-07-2024

Accreditation History		
Issue no.	Details	Date

### Food Testing

13	Reissued due to extension in scope and modification in test method	04-07-2024
12	Move PCR for equine testing from Halal certificate scope to the food scope	28-12-2022
11	Renewal the accreditation and extension in scope (Add Chemical tests)	07-10-2022
10	The Certificate validity was extended for 6 months from 04-09-2022 to 03-03-2023	04-09-2022
09	Extension of Microbiology Scope for the Transition from CCFRA to ISO standards (Food and Swabs: Enumeration of Enterobacteriaceae, Enumeration of Coliforms, Enumeration of Clostridium Perfringens, Detection & Confirmation of Salmonella sp & Domestic & Potable Water: Aerobic Plate Count)	25-02-2022
08	Re-issued to comply with the new accreditation number format	16-12-2020
07	Renewal of accreditation	04-09-2019
06	First issuance under the name of EIAC (which formally was known as DAC)	18-10-2018

### Environmental Testing

12	Reissued due to extension in scope and modification in some test methods	04-07-2024
11	Renewal the accreditation and extension in scope	07-10-2022

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## Al Hoty Stanger Laboratories

## ICAD, Mussafah, Abu Dhabi - United Arab Emirates

Date: 04-07-2024

Accreditation History		
Issue no.	Details	Date

### Environmental Testing

10	The Certificate validity was extended for 6 months from 04-09-2022 to 03-03-2023	04-09-2022
09	Extension of Microbiology Scope for the Transition from CCFRA to ISO standards (Domestic & Potable Water: Aerobic Plate Count)	25-02-2022
08	Extension in scope (add: Domestic & Potable Water and Ice) and comply with the new accreditation number format	16-12-2020
07	Renewal of accreditation and extension in scope (Molecular Biology test & Chemistry)	04-09-2019
06	First issuance under the name of EIAC (which was formerly known as DAC)	18-10-2018

### Food Contact Testing

07	Renewal the accreditation	07-10-2022
06	The Certificate validity was extended for 6 months from 04-09-2022 to 03-03-2023	04-09-2022
05	Re-issued to comply with the new accreditation number format	16-12-2020
04	Renewal of accreditation and reduction of olive oil test	04-09-2019
03	First issuance under the name of EIAC (which was formerly known as DAC)	18-10-2018

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### Al Hoty Stanger Laboratories

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Date: 04-07-2024

Accreditation History		
Issue no.	Details	Date

#### Detergents and Disinfectants Testing

03	Renewal the accreditation	07-10-2022
02	The Certificate validity was extended for 6 months from 04-09-2022 to 03-03-2023	04-09-2022
01	Grant accreditation from EIAC	16-12-2020

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## Al Hoty Stanger Laboratories

## ICAD, Mussafah, Abu Dhabi - United Arab Emirates

Issue no.: 13

Date: 04-07-2024

Valid to: 03-09-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Food & Swab	Aerobic plate Count	USFDA BAM Chapter 3
		Enumeration of Coliforms	Colony Count method: MPN Method, CMMEF 5 <sup>th</sup> Edition 9.71 & 9.72
		Enumeration of Fecal Coliforms	MPN Method, CMMEF 5 <sup>th</sup> Edition 9.81
		Enumeration & Detection of E.coli	MPN Method, CMMEF 5 <sup>th</sup> Edition 9.91 & 9.92
		Enumeration of Staphylococcus aureus (Coagulase Positive)	BAM Chapter 12, Colony Count Methods
		Detection of E.coli O157: H7	AOAC 2000.14 (20 hours) Reveal Test kit – Neogen Corporation
		Detection of Listeria species	Reveal Test kit – Neogen Corporation

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Date: 04-07-2024

Valid to: 03-09-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Food & Swab	Sampling of food and swab samples	CMMEF 5 <sup>th</sup> Edition Chapter 2-Food CMMEF 5 <sup>th</sup> Edition Chapter 3-Swa
		Enumeration of Enterobacteriaceae	ISO 21528
		Enumeration of Coliforms	ISO 4832
		Enumeration of Clostridium perfringens	ISO 7937
		Detection & Confirmation of Salmonella species	ISO 6579 Part 1 AMD 1: 2020
	Food	Detection of Salmonella species by ELFA METHOD (VIDAS)	SOP 75
		Detection of E. coli 0157 H7 by ELFA METHOD (VIDAS)	SOP 76
		Detection of Listeria species by ELFA METHOD (VIDAS)	SOP 79

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Issue no.: 13

Date: 04-07-2024

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Food	Detection of Listeria monocytogenes by ELFA METHOD (VIDAS)	SOP 78
		Enumeration of Bacillus cereus	CMMEF, Chapter 31.6
		Enumeration of Yeast & Mould	CMMEF, Chapter 21.5
		Detection & Enumeration of Vibrio parahaemolyticus	BAM Chapter 9
		Detection of Campylobacter species by ELFA METHOD (VIDAS)	SOP 77

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Food & Swabs from food preparation areas and personnel	Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli Part 2: Colony-count technique at 44 degrees C using 5-bromo-4-chloro-3-indolyl beta-D-glucuronide Enumeration of $\beta$ -glucuronidase-positive E. coli	ISO 16649 Part 2
Chemical	Food	Total Sugar (Fructose, Glucose, Maltose, Sucrose, Lactose)	In-House Test Method AHSL/SOP/FCL/07
		Sorbic Acid	In-House Test Method AHSL/SOP/FCL/21
		Benzoic acid	In-House Test Method AHSL/SOP/FCL/21



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Issue no.: 13

Date: 04-07-2024

Valid to: 03-09-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Caffeine (0.01%)	In-House Test Mmethod AHSL/SOP/FCL/20
		Acidity	In-House Test Mmethod AHSL/SOP/FCL/11
		Free Fatty Acid	In-House Test Method (by calculation) AHSL/SOP/FCL/24.
		Vitamin A	AOAC 2012.09 (UPLC technique)
		Vitamin C	AOAC 2012.22 (UPLC technique)
		Vitamin D	EN 12821:2009
		Cholesterol (GC/FID)	AOAC 994.10

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Fat (Total,Saturated,Mono & Polyunsaturated, Trans) (FAME & GC/FID)	AOAC 996.06
		Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		(E)-Chlorfenvinphos	
		Pencycuron (Monceren)	
		(Z)-Chlorfenvinphos	
		1,1-Dichloro-2,2-bis(4-ethylphenyl)ethane	
		2-Phenylphenol	
		2,3,5,6-Tetrachloroaniline	
		2,4'-Methoxychlor	
		3-Hydroxycarbofuran	
		3,4-Dichloroaniline	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		4,4'-Dichlorobenzophenone	
		4,4'-methoxychlor olefin	
		Acephate	
		Acephate NH4	
		Acequinocyl deg.	
		Acetamiprid	
		Acetochlor	
		Acibenzolar-S-methyl	
		Acrinathrin	
		Alachlor	
		Alanycarb	
		Aldicarb	
		Aldicarb sulfone	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Aldicarb sulfoxide	
		Aldrin	
		Allethrin-3,4 (Bioallethrin)	
		Allidochlor	
		alpha-BHC	
		alpha-Endosulfan	
		Ametryn	
		Aminocarb	
		Amitraz	
		Anthraquinone	
		Atrazine	
		Azinphos-ethyl	
Azinphos-methyl			

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Azoxystrobin	
		Benalaxyl	
		Bendiocarb	
		Benfluralin	
		Benfuracarb	
		Benzoximate	
		Benzoylprop-ethyl 1	
		Benzoylprop-ethyl 2	
		beta-BHC	
		beta-Endosulfan	
		Bifenazate	
		Bifenthrin	
		Biphenyl	

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Bitertanol	
		Boscalid	
		Bromfeninfos-methyl	
		Bromfenvinphos	
		Bromophos	
		Bromophos-ethyl	
		Bromopropylate	
		Bromucanozole 1	
		Bromucanozole 2	
		Bupirimate	
		Bupirimate	
		Buprofezin	
Butafenacil			

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Butocarboxim	
		Butoxycarboxim	
		Carbaryl	
		Carbendazim	
		Carbetamide	
		Carbofuran	
		Carbophenothion	
		Carboxin	
		Carfentrazone-ethyl	
		Chlorantraniliprole	
		Chlorbenside	
		Chlorfenapyr	
		Chlorfenson	

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Chlorfluazuron	
		Chlorobenzilate	
		Chloroneb	
		Chlorotoluron	
		Chloroxuron	
		Chlorpropham	
		Chlorpyrifos	
		Chlorpyrifos-methyl	
		Chlorthal-dimethyl	
		Chlorthiophos-1	
		Chlorthiophos-2	
		Chlorthiophos-3	
		Chlozolate	



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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		cis-Chlordane	
		cis-Nonachlor	
		cis-Permethrine	
		Clethodim 1	
		Clethodim 2	
		Clofentezine	
		Clomazone	
		Clothianidin	
		Coumaphos	
		Cyazofamid	
		Cycloate	
		Cycluron	
		Cyfluthrin	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Cymoxanil	
		Cypermethrin	
		Cyproconazole 1	
		Cyproconazole 2	
		Cyprodinil	
		Cyromazine	
		delta-BHC	
		Deltamethrin-1	
		Deltamethrin-2	
		Desmedipham	
		Di-allate-1	
		Di-allate-2	
		Diazinon	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Dichlobenil	
		Dichlofluanid	
		Diclobutrazol	
		Dicloran	
		Dicrotophos	
		Dieldrin	
		Diethofencarb	
		Difenoconazole	
		Difenoconazole	
		Diflubenzuron	
		Dimethachlor	
		Dimethoate	
Dimethomorph 1			

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Dimethomorph 2	
		Dimoxystrobin	
		Diniconazole	
		Dinotefuran	
		Dioxacarb	
		Diphenamid	
		Diphenylamine	
		Disulfoton	
		Diuron	
		Edifenphos	
		Emamectin-benzoate 1	
		Emamectin-benzoate 2	
		Endosulfan ether	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Endosulfan sulfate	
		Endrin	
		Endrin aldehyde	
		Endrin ketone	
		EPN	
		Epoiconazole	
		Eprinomectin	
		Etaconazole 1	
		Etaconazole 2	
		Ethalfluralin	
		Ethiofencarb	
		Ethion	
		Ethiprole	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Ethirimol	
		Ethofumesate	
		Etofenprox	
		Etoazole	
		Etridiazole	
		Famoxadone	
		Fenamidone	
		Fenamiphos	
		Fenarimol	
		Fenazaquin	
		Fenbuconazole	
		Fenchlorphos	
Fenhexamid			

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Fenitrothion	
		Fenobucarb	
		Fenoxycarb	
		Fenpropathrin	
		Fenpropimorph	
		Fenson	
		Fenthion	
		Fenuron	
		Fenvalerate-1	
		Fenvalerate-2 (Esfenvalerate)	
		Fipronil	
		Flonicamid	
Fluazifop-P-butyl			

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Flubendiamide	
		Fluchloralin	
		Flucythrinate-1	
		Flucythrinate-2	
		Fludioxinil	
		Fludioxonil	
		Flufenacet	
		Flufenoxuron	
		Fluometuron	
		Fluoxastrobin	
		Fluquinconazole	
		Fluquinconazole	
Fluridone			



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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Flusilazole	
		Flutolanil	
		Flutriafol	
		Fonofos	
		Forchlorfenuron	
		Formetanate	
		Fuberidazole	
		Furalaxyl	
		Furathiocarb	
		gamma-BHC (Lindane)	
		Halofenozide	
		Heptachlor	
Heptachlor-exo-epoxide			

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Hexachlorobenzene	
		Hexaconazole	
		Hexaflumuron	
		Hexazinone	
		Hexythiazox	
		Hydramethylnon	
		Imazalil	
		Imidacloprid	
		Indoxacarb	
		Iodofenphos	
		Ipconazole 1	
		Ipconazole 2	
Iprodione			

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Iprovalicarb 1	
		Iprovalicarb 2	
		Isazofos	
		Isocarbophos	
		Isodrin	
		Isoproc carb	
		Isopropalin	
		Isoproturon	
		Ivermectin	
		Kresoxim-methyl	
		Lambda-Cyhalothrin	
		Lenacil	
		Leptophos	

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Linuron	
		Lufenuron	
		Malaoxon	
		Malathion	
		Mandipropamid	
		Mefenacet	
		Mepanipyrim	
		Mepronil	
		Mesotrione	
		Metaflumizone	
		Metalaxyl (Mefenoxam)	
		Metazachlor	
		Metconazole	

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Methabenthiazuron	
		Methacrifos	
		Methamidophos	
		Methiocarb	
		Methomyl	
		Methoprotryne	
		Methoxychlor	
		Methoxyfenozide	
		Metobromuron	
		Metolachlor (S-Metolachlor)	
		Metribuzin	
		Mevinphos	
		Mexacarbate	

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		MGK 264-1	
		MGK 264-2	
		Mirex	
		Monocrotophos	
		Monolinuron	
		Myclobutanil	
		Neburon	
		Nitenpyram	
		Nitralin	
		Nitrofen	
		Norflurazon	
		Novaluron	
		Nuarimol	

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Date: 04-07-2024

Valid to: 03-09-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		o,p'-DDD	
		o,p'-DDE	
		o,p'-DDT	
		Omethoate	
		Oxadiazon	
		Oxadixyl	
		Oxamyl	
		Oxyfluorfen	
		p,p'-DDD	
		p,p'-DDE	
		p,p'-DDT	
		Paclobutrazol	
		Parathion	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Parathion-methyl	
		Pebulate	
		Penconazole	
		Pendimethalin	
		Pentachloroaniline	
		Pentachloroanisole	
		Pentachlorobenzene	
		Pentachlorobenzonitrile	
		Pentachlorothioanisole	
		Phenmedipham	
		Phenothrin-1	
		Phenothrin-2	
Phorate			



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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Phosalone	
		Phosmet	
		Picoxystrobin	
		Piperonyl butoxide	
		Pirimicarb	
		Pirimiphos ethyl	
		Pirimiphos-methyl	
		Pretilachlor	
		Prochloraz	
		Procymidone	
		Prodiamine	
		Profenofos	
		Profluralin	

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Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Promecarb	
		Prometon	
		Prometryne	
		Propachlor	
		Propamocarb	
		Propanil	
		Propargite	
		Propham	
		Propiconazole 1	
		Propiconazole 2	
		Propisochlor	
		Propoxur	
		Propyzamide	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Prothioconazole	
		Prothiofos	
		Pymetrozine	
		Pyracarbolid	
		Pyraclofos	
		Pyraclostrobin	
		Pyrazophos	
		Pyridaben	
		Pyridaben	
		Pyridaphenthion	
		Pyrimethanil	
		Pyriproxyfen	
Quinalphos			

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Quinoxyfen	
		Quintozene	
		Resmethrin-1	
		Resmethrin-2 (Bioresmethrin)	
		Rotenone	
		Sebumeton	
		Siduron	
		Simetryn	
		Spinetoram	
		Spinosyn A	
		Spinosyn D	
		Spirodiclofen	
Spiromesifen			

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Spirotetramat	
		Spiroxamine 1	
		Spiroxamine 2	
		Sulfentrazone	
		Sulfotep	
		Sulprofos	
		tau-Fluvalinate-1	
		tau-Fluvalinate-2	
		Tebuconazole	
		Tebufenozide	
		Tebufenpyrad	
		Tebuthiuron	
		Tecnazene	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Teflubenzuron	
		Tefluthrin	
		Temephos	
		Terbacil	
		Terbufos	
		Terbumeton	
		Terbutylazine	
		Terbutryn	
		Tetrachlorvinphos	
		Tetraconazole	
		Tetradifon	
		Tetramethrin-1	
		Tetramethrin-2	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Thiabendazole	
		Thiacloprid	
		Thiamethoxam	
		Thidiazuron	
		Thiobencarb	
		Thiofanox	
		Thiophanate-methyl	
		Tolclofos-methyl	
		Tolyfluanid	
		trans-Chlordane	
		trans-Nonachlor	
		trans-Permethrine	
Transfluthrin			

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Tri-allate	
		Triadimefon	
		Triadimenol-1	
		Triadimenol-2	
		Triazophos	
		Trichlorfon	
		Tricyclazole	
		Triflumizole	
		Triflumuron	
		Trifluralin	
		Triticonazole	
		Vamidothion	



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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food	Pesticide Multiresidues Analysis by LCMSMS/GCMSMS (LOQ 0.01 mg/Kg for all included pesticides)	In-House Test Method AHSL/SOP/FCL/39
		Vinclozolin	
		Zoxamide	
	Food & Feed	Moisture	In-House Test Mmethod AHSL/SOP/FCL/01
		pH	In-House Test Mmethod AHSL/SOP/FCL/13
		Fat	In-House Test Mmethod AHSL/SOP/FCL/08
		Total Protein	In-House Test Mmethod AHSL/SOP/FCL/02
		Carbohydrates	In-House Test Mmethod (By Calculation) AHSL/SOP/FCL/04
		Energy	In-House Test Mmethod AHSL/SOP/FCL/04

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food & Feed	Energy from Fat	In-House Test Mmethod AHSL/SOP/FCL/04
		Minerals Ca,Mg,K,Fe,Na,Zn,Cu,Mn	In-House Test Mmethod AHSL/SOP/FCL/31
		Ash	In-House Test Mmethod AHSL/SOP/FCL/05
	Animal feed	Acid Insoluble ash	AOAC 975.12
	Milk and Milk products	Fat (Modified Mojonnier Ether Extract)	AOAC 989.05 In-House Test Mmethod AHSL/SOP/FCL/03
Chemical	Milk and Milk products	Solid Non-fat	AOAC 990.21
Molecular Biology	Food and Food Products	Detection of Equine in food and food products using the RT-PCR technique, LOD=0.01%	Applied Biosystems Real- Time PCR system 7500

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Bottled water	Heterotrophic Plate Count	CMMEF 60.42
	Domestic & Potable Water and Ice	Enumeration of Clostridium perfringens Method using membrane filtration	ISO 14189
	Domestic, Potable Water, Recreational water & Non Potable Water	Heterotrophic Plate Count	APHA 24 <sup>th</sup> Ed. 9215 B
	Domestic, Potable Water, Bottled Water Recreational Water & Non Potable Water	Enumeration of Coliforms	APHA 24 <sup>th</sup> Ed. 9221 B APHA 24 <sup>th</sup> Ed. 9222B
	Domestic, Potable Water, Bottled Water Recreational Water & Non Potable Water	Enumeration of Fecal Coliforms	APHA 24 <sup>th</sup> Ed. 9221 E.1
	Domestic, Potable Water, Bottled Water, Recreational Water & Non Potable Water	Enumeration of E.coli	APHA 24 <sup>th</sup> Ed. 9222 B APHA 24 <sup>th</sup> Ed. 9221 F

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Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Domestic, Potable Water, Bottled Water Recreational Water & Non Potable Water	Enumeration of Pseudomonas aeruginosa	BS EN ISO 16266
	Domestic, Potable Water, Bottled Water, Recreational Water & Non Potable Water	Enumeration of Fecal Streptococcus	APHA 24 <sup>th</sup> Ed. 9230 C
	Water Matrix A: Water with low background Matrix B: Water with high background Matrix C: Water with very high background	Enumeration of Legionella species	ISO 11731 Matrix A: Procedures 7 Matrix B: Procedures 1, 8, 9, 10 Matrix C: Procedures 8, 9, 10, 14
	Domestic & Potable Water	Aerobic Colony Count	ISO 6222
Chemical	Water (Potable water, RO water, Unbottled drinking water, bottled drinking water, Tap water, Tank water)	Bromate (LOQ = 5.0 ug/L)	APHA 4110D EPA 300.1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Water (Potable water, RO water, Unbottled drinking water, bottled drinking water, Tap water, Tank water)	Alachlor	In-House Test Method AHSL/SOP/FCL/41
		Aldicarb	
		Aldrin	
		Dieldrin	
		Atrazine	
		Carbofuran	
		Chlordane	
		Chloropyrifos	
		Chlorotoluron	
		Cyanazine	
		DDT and metabolites	
		Dichloroprop	
		Dimethoate	
		Endrin	
		Heptachlor	
Heptachlor epoxide			
Hydroxyatrazine			

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Chemical	Water (Potable water, RO water, Unbottled drinking water, bottled drinking water, Tap water, Tank water)	Isoproturon	In-House Test Method AHSL/SOP/FCL/41
		Lindane	
		MCPA	
		Mecoprop (MCP)	
		Methoxychlor	
		Metolachlor	
		Molinate	
		Pendimethalin	
		Simazine	
		Terbutylazine	
		Trifluralin	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Water intended for human consumption after being in contact with non-metallic materials and products e.g., 1)Thermoplastic products(Plastic Sheets,moulded products) 2) thermos setting products(Rubber compound,GRP,Epoxy Resins) 3) Multilayered composite products (Hoses & ion exchange resins) 4) Grease, Oil & lubricants 5) cementitious products 6) ceramic & graphite based products	Suitability of non-metallic materials and products for use in contact with water intended for human consumption with regard to their effect on the quality of the water Specification:	
		Odour	BS 6920 Part 2.2 & 3
		Flavour	BS 6920 Part 2.2 & 3
		Color	BS 6920 Part 2.3 & 3
		Turbidity	BS 6920 Part 2.3 & 3
		Growth of aquatic microorganisms (Mean Dissoved oxygen	BS 6920 Part 2.4
		<b>Metals (ICP/OES)</b>	
		Aluminium (Al) (LOQ 100 µg/L)	In-House Test Method AHSL/CHEM SOP#29
		Antimony (Sb) (LOQ 10 µg/L)	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Water intended for human consumption after being in contact with non-metallic materials and products e.g., 1) Thermoplastic products (Plastic Sheets, moulded products) 2) thermos setting products (Rubber compound, GRP, Epoxy Resins) 3) Multilayered composite products (Hoses & ion exchange resins) 4) Grease, Oil & lubricants 5) cementitious products 6) ceramic & graphite based products	<b>Metals (ICP/OES)</b>	
		Arsenic (As) (LOQ 10 µg/L)	In-House Test Method AHSL/CHEM SOP#29
		Boron (B) (LOQ 100 µg/L)	
		Cadmium (Cd) (LOQ 10 µg/L)	
		Chromium (Cr) (LOQ 100 µg/L)	
		Iron (Fe) (LOQ 100 µg/L)	
		Lead (Pb) (LOQ 100 µg/L)	
		Manganese (Mn) (LOQ 100 µg/L)	
		Mercury (Hg) (LOQ 10 µg/L)	
		Nickel (Ni) (LOQ 100 µg/L)	
Selenium (Se) (LOQ 10 µg/L)			



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Type of Activity	Test Materials/Products	Test Name	Test Method
Sampling	Water	Sampling for Legionella bacteria in water systems	BS 7592
	Domestic & Potable water, Waste water, pool water and ice. Recreational water and non-potable water	Sampling of water samples (except Legionella)	APHA 24 <sup>th</sup> Ed. 9060A APHA 24 <sup>th</sup> Ed. 9213 B
Molecular Biology	Domestic, Potable Water, Recreational Water, Industrial & Natural waters,	Detection of Legionella species and Legionella pneumophila by Real Time PCR	SOP#6 PCR SOP#8 PCR Multiplex for Legionella Species and L. pneumophila

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**Food Contact Testing**

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Issue no.: 07

Date: 07-10-2022

Valid to: 03-09-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food contact materials	Determination of the Overall Migration (OM) Materials and articles in contact with foodstuffs. Plastics	BS EN 1186
		Part 1: Guide to the selection of conditions and test methods for overall migration	Part 1
		Part 3: (Method A )Test methods for overall migration into aqueous food simulants by total immersion. Method A @Temperature:5°, 20°, 40° and 70° C Simulnats A, B and C	Part 3
		Part 9:Test methods for overall migration into aqueous food simulants by article filling	Part 9

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Issue no.: 07

Date: 07-10-2022

Valid to: 03-09-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Food contact materials	Fatty Acids in Oils and Fats preparation of Methyl Esters, Boron Trifluoride Method, AOAC-IUPAC Method Codex-Adopted-AOAC Method	AOAC Official Method 96.9.33

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### Detergents and Disinfectants Testing

#### LB-TEST-023

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### ICAD, Mussafah, Abu Dhabi - United Arab Emirates

Issue no.: 03

Date: 07-10-2022

Valid to: 03-09-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Microbiology	Hand Sanitizers / Hand Scrubs, Germicidal Liquids/ Surface sanitizer	Chemical disinfectants and antiseptics Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics	BS EN 1276
Chemistry	Disinfectants & Sanitizers	Alcohols (Methanol, Ethanol, n-Propanol, and iso-Propanol)	In-House Method SOP 17