

Accreditation Scope

Al Futtaim Element Materials Technology Dubai L.L.C, NAL 056
Testing Laboratory, (ISO/IEC 17025:2005)
Dubai Investments Park, Dubai, UAE

Issue Date: 22-02-2019

Expiry Date: 21-02-2021

Issue No.: 03

Testing Field	Materials/ Products tested	Type of test/ Test parameter/ Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P) / Client-site (S)
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Microbiological	Water/Waste Water	Total Bacterial (Heterotrophic) plate count	APHA 9215B, 23rd edition	P
		Total Coliform	APHA 9222B, 23rd edition	
		Total Coliform	APHA 9223B, 23rd edition	
		E.coli	APHA 9223B, 23rd edition	
		Fecal Coliform	APHA 9222D, 23rd edition	
		Fecal Streptococci	BS EN ISO 7899-2: 2000	
		Enterococci	ASTM D6503: 2014	
		Enterococci	APHA 9230D, 23rd edition	
Microbiological	Water (Raw, Potable, Process)	Detection and Enumeration of Legionella Species	ISO 11731:2017	P
Microbiological	Food and Water	Yeast	MFHPB 22:2004	P
		Mould	MFHPB 22:2004	
		Pseudomonas Species	CCFRA 2.5.1:2003	
		Pseudomonas aeruginosa	CCFRA 2.5.2:2003	
		Staphylococcus aureus	CCFRA 3.5.1:2007	
		Detection of Salmonella	CCFRA 3.1.2:2007	
		Confirmation of Salmonella	CCFRA 3.1.5:2007	

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Microbiological	Food	Total Bacterial Count	CCFRA 1.1.1:2007	P
		E.coli	CCFRA 2.4.4:2007	
		Bacillus cereus	CCFRA 3.7.1:2007	
		Detection of Vibrio cholerae	CCFRA 3.8.1:2007	
		Detection of Vibrio parahaemolyticus	CCFRA 3.8.1:2007	
		Enumeration of Enterobacteriaceae	CCFRA 2.3.1:2007	
Chemical	Water 106 A - LOD - 10 ppm 106 B - LOD - 50 ppm 106 C - LOD - 1 ppm 106 D - LOD - 2000 ppb	Aluminium	APHA 3120B, 23rd edition, APHA 3125, 23rd edition Documented In-house method EMT-M-OP-CH-DXB-MD106A EMT-M-OP-CH-DXB-MD106B EMT-M-OP-CH-DXB-MD106C EMT-M-OP-CH-DXB-MD106D	P
		Antimony		
		Arsenic		
		Barium		
		Beryllium		
		Boron		
		Cadmium		
		Calcium		
		Cobalt		
		Copper		
		Chromium		
		Iron		
		Lead		
		Lithium		
		Magnesium		
Manganese				
Molybdenum				
Nickel				

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Chemical	Water 106 A - LOD - 10 ppm 106 B - LOD - 50 ppm 106 C - LOD - 1 ppm 106 D - LOD - 2000 ppb	Phosphorus	APHA 3120B, 23rd edition, APHA 3125, 23rd edition Documented In-house method EMT-M-OP-CH-DXB-MD106A EMT-M-OP-CH-DXB-MD106B EMT-M-OP-CH-DXB-MD106C EMT-M-OP-CH-DXB-MD106D	P
		Potassium		
		Selenium		
		Silicon		
		Sodium		
		Silver		
		Strontium		
		Thallium		
		Tin		
		Titanium		
		Uranium		
		Vanadium		
Zinc				
Chemical	Sediments, Sludges and Soil LOD - 2500 mg/Kg	Aluminium	APHA 3050B 23rd edition, APHA 3120B 23rd edition, Documented In-house method EMT-M-OP-CH-DXB-MD112	P
		Antimony		
		Arsenic		
		Barium		
		Beryllium		
		Boron		
		Cadmium		
		Cobalt		
		Copper		
		Chromium		
		Iron		
		Lead		
Magnesium				

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Chemical	Sediments, Sludges and Soil LOD - 2500 mg/Kg	Manganese	APHA 3050B 23rd edition, APHA 3120B 23rd edition, Documented In-house method EMT-M-OP-CH-DXB- MD112	P
		Molybdenum		
		Nickel		
		Phosphorus		
		Potassium		
		Selenium		
		Silicon		
		Sodium		
		Silver		
		Strontium		
		Thallium		
		Tin		
		Vanadium		
Zinc				
Chemical	Waters: Volatile Organic Compounds (VOC's) 1-200 ppb	Dichlorodifluoromethane	US EPA 8260B Rev 2 Dec 96, US EPA 5021A Rev 2 Jul 14, Documented In- house method EMT-M-OP-CH-DXB- MD404A	P
		Chloromethane		
		Vinyl Chloride		
		Bromomethane		
		Chloroethane		
		Trichlorofluoromethane		
		1,1-Dichloroethene		
		Methylene Chloride		
		Trans-1,2 dichloroethene		
		1,1-Dichloroethane		
		cis-1,2-Dichloroethene		
2,2-Dichloropropane				

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Chemical	Waters: Volatile Organic Compounds (VOC's) 1-200 ppb	Bromochloromethane	US EPA 8260B Rev 2 Dec 96, US EPA 5021A Rev 2 Jul 14, Documented In-house method EMT-M-OP-CH-DXB-MD404A	P
		Chloroform		
		Carbon Tetrachloride		
		1,1,1-Trichloroethane		
		1,1-Dichloropropene		
		1,2 Dichloroethane		
		Trichloroethene		
		1,2-Dichloropropane		
		Bromodichloromethane		
		Dibromomethane		
		cis-1,3-Dichloropropene		
		Toluene		
		Trans-1,3-Dichloropropene		
		1,1,2-Trichloroethane		
		Tetrachloroethene		
		Chlorodibromomethane		
		MTBE		
TAME				
Chemical	Waters: Volatile Organic Compounds (VOC's) 1-200 ppb	1,3-Dichloropropane	US EPA 8260B Rev 2 Dec 96, US EPA 5021A Rev 2 Jul 14, Documented In-house method EMT-M-OP-CH-DXB-MD404A	P
		Ethylbenzene		
		1,1,1,2-Tetrachloroethane		
		Chlorobenzene		
		m,p-Xylene		
		o-Xylene		
		Bromoform		
Styrene				

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Chemical	Waters: Volatile Organic Compounds (VOC's) 1-200 ppb	Isopropylbenzene	US EPA 8260B Rev 2 Dec 96, US EPA 5021A Rev 2 Jul 14, Documented In- house method EMT-M-OP-CH-DXB- MD404A	P
		Bromobenzene		
		n-Propylbenzene		
		1,1,2,2- Tetrachloroethane		
		1,2,3-Trichloropropane		
		1,3,5-Trimethylbenzene		
		2-Chlorotoluene		
		4- Chlorotoluene		
		tert-Butylbenzene		
		1,2,4-Trimethylbenzene		
		sec-Butylbenzene		
		p-isopropyltoluene		
		1,3-Dichlorobenzene		
		1,4 Dichlorobenzene		
		n-Butylbenzene		
		1,2-Dichlorobenzene		
		1,2 Dibromo-3- Chloropropane		
1,2,4-Trichlorobenzene				
Hexachlorobutadiene				
Naphthalene				
1,2,3-Trichlorobenzene				

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Chemical	Waters: BTEX 10-2000 ppb	Benzene	US EPA 8260B Rev 2 Dec 96, US EPA 5021A Rev 2 Jul 14, Documented In-house method EMT-M-OP-CH-DXB-MD408	P
		Toluene		
		Ethyl Benzene		
		o-Xylenes		
		p-Xylenes		
		m-Xylenes		
Chemical	Potable water: Organo Chlorine Pesticides (OCP) 100-1000 ng/L	Alpha BHC	US EPA 8081B Rev 2 Feb 07, US EPA 608:1984 Documented In-house method EMT-M-OP-CH-DXB-MD402	P
		Beta BHC		
		Aldrin		
		Heptachlor		
		Heptachlor Epoxide		
		Alpha Endosulfan		
		p,p'-DDE		
		Dieldrin		
		Endrin		
		Endrin Ketone		
		p,p'-DDD		
		Beta Endosulfan		
		Endrin Aldehyde		
		Endosulfan Sulphate		
		p,p'-DDT		
Methoxychlor				
Lindane				
Delta-BHC				
Chlordane (Cis & Trans)				

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Chemical	Waters, Soils and Sand - Polycyclic Aromatic Hydrocarbon (PAH) waters - 0.01 -2000 ppb soils - 0.002 - 0.4 mg/Kg	Naphthalene	US EPA 8270D Rev 5 July 14 Documented In-house method EMT-M-OP-CH-DXB-MD403	P
		Acenaphthylene		
		Acenaphthene		
		Fluorene		
		Phenanthrene		
		Anthracene		
		Fluoroanthene		
		Pyrene		
		Benzo[a]anthracene		
		Chrysene		
		Benzo[b]fluoranthene		
		Benzo[k]fluoranthene		
		Benzo[a]pyrene		
		Indenol(1,2,3-c,d)pyrene		
Dibenz[a,h]anthracene				
Benzo[g,h,i]perylene				
Chemical	Soils & waters waters - 50 - 4000 ppb soil - 50 - 800 mg/Kg	Total Petroleum Hydrocarbons (TPH)	US EPA 8015C Rev 3 Feb 07, Documented In-house method EMT-M-OP-CH-DXB-MD401	P
		Extractable Petroleum Hydrocarbons (EPH) C10-C40		

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Chemical	Soils & waters waters - 10 - 2000 ppb soil - 0.05 - 8 mg/Kg	Volatile Petroleum Hydrocarbons C5-C10 (VPH)	US EPA 8015B Rev 2 Dec 96, Documented In-house method EMT-M-OP-CH-DXB-MD405	P
Chemical	Soils and Sand-Volatile Organic Compounds (VOC's) 0.05 - 4 mg/Kg	Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Methylene Chloride Trans-1,2 Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 2,2-Dichloropropane Bromochloromethane Chloroform Carbon Tetrachloride 1,1,1-Trichloroethane 1,1-Dichloropropene	US EPA 5021A Rev2 Jul 14, US EPA 8260B Rev2 Dec 96, Documented In-house method EMT-M-OP-CH-DXB-MD404B	P

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Chemical	Soils and Sand-Volatile Organic Compounds (VOC's) 0.05 - 4 mg/Kg	Benzene	US EPA 5021A Rev2 Jul 14, US EPA 8260B Rev2 Dec 96, Documented In-house method EMT-M-OP-CH-DXB-MD404B	P
		1,2 Dichloroethane		
		Trichloroethene		
		1,2-Dichloropropane		
		Bromodichloromethane		
		Dibromomethane		
		cis-1,3-Dichloropropene		
		Toluene		
		Trans-1,3-Dichloropropene		
		1,1,2-Trichloroethane		
		Tetrachloroethene		
		Chlorodibromomethane		
		1,3-Dichloropropane		
		Ethylbenzene		
		1,1,1,2-Tetrachloroethane		
		1,2-Dibromoethane		
		Chlorobenzene		
		m,p-Xylene		
		o-Xylene		
Bromoform				
Styrene				
Isopropylbenzene				
Bromobenzene				

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Chemical	Soils and Sand-Volatile Organic Compounds (VOC's) 0.05 - 4 mg/Kg	n-Propylbenzene	US EPA 5021A Rev2 Jul 14, US EPA 8260B Rev2 Dec 96, Documented In-house method EMT-M-OP-CH-DXB-MD404B	P
		1,1,2,2-Tetrachloroethane		
		1,2,3-Trichloropropane		
		1,3,5-Trimethylbenzene		
		2-Chlorotoluene		
		4- Chlorotoluene		
		tert-Butylbenzene		
		1,2,4-Trimethylbenzene		
		sec-Butylbenzene		
		p-isopropyltoluene		
		1,3-Dichlorobenzene		
		1,4-Dichlorobenzene		
		n-Butylbenzene		
		1,2-Dichlorobenzene		
		1,2-Dibromo-3-chloropropane		
1,2,4-Trichlorobenzene				
Hexachlorobutadiene				
Naphthalene				
1,2,3-Trichlorobenzene				
Chemical	Soils and Sand: BTEX 0.05-8 mg/kg	Benzene	US EPA 8260B Rev2 Dec 96, US EPA 5021A Rev2 Jul 14, Documented In-house method EMT-M-OP-CH-DXB-MD408	P
		Toluene		
		Ethyl Benzene		
		o-Xylenes		
		p-Xylenes		
		m-Xylenes		
END				