



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ALS ARABIA (LIFE SCIENCES, JEDDAH)  
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BIOLOGICAL

Valid To: March 31, 2020

Certificate Number: 3258.04

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests in the analyte categories identified below:

<u>ALS Method Code</u>	<u>Matrices</u>	<u>Parameter/Analyte</u>	<u>Reference(s)</u>
MF01	Food, Swab	Standard Plate Count by Pour Plate Method	USFDA/BAM Ch. 3, 2001
MF02	Food	Enumeration of Total Coliform in Food, Animal Feeding Stuffs and Swab by Most Probable Number (MPN) Technique	ISO 4831:2006
MF02-A	Food	Enumeration of Faecal (Thermotolerant) Coliform Count in Food by Most Probable Number (MPN) Technique	ISO 7251:2005; USFDA/BAM Ch. 4, 2017
MF02-B	Food	Enumeration of <i>Escherichia coli</i> in Food by Most Probable Number (MPN) Technique	ISO 7251:2005; USFDA/BAM Ch. 4, 2017
MF02-C	Food, Swab	Total Coliform by Pour Plate Method	ISO 4832:2006; USFDA/BAM Ch. 4, 2017
MF02-D	Food, Swab	Enumeration of <i>E. coli</i> in Food, Animal Feeding Stuffs, and Swabs by Pour Plate Method	CMMEF Ch. 9, APHA 5 <sup>th</sup> Edition
MF04	Food, Swab	Detection of <i>Salmonella</i> spp. in Foods, Animal Feeding Stuffs, and Environmental Samples	ISO 6579-1:2017
MF05	Food, Swab, Feeding Stuffs	Enumeration of Coagulase Positive <i>Staphylococcus aureus</i>	ISO 6888-1:1999, A1:2003
MF06A	Food, Swab	Enumeration of Enterococci / Fecal Streptococci in Foods, and Environmental Sample	CMMEF Ch. 10, APHA 5 <sup>th</sup> Edition
MF12	Food, Swab	Enumeration of Yeast and Molds by Colony Count Technique	ISO 21527-1:2008
MF13	Food, Swab	Enumeration of Enterobacteriaceae by Colony Count Technique	ISO 21528-2

<u>ALS Method Code</u>	<u>Matrices</u>	<u>Parameter/Analyte</u>	<u>Reference(s)</u>
MF14	Food	Detection of <i>E. coli</i> O157 in Foods by Cultivation	US FDA/BAM Ch. 4A (Modified)
MF19	Food, Swab	Enumeration of $\beta$ -Glucuronidase Positive <i>E. coli</i>	ISO 16649-2:2001
MF20	Food, Swab	Detection of <i>E. coli</i> in Foods, Animal Feeding Stuffs, and Environmental Samples	ISO 7251:2005
MF31	Food, Swab	Enumeration of Presumptive <i>Pseudomonas</i> spp. in Food, Animal Feeding Stuffs, and Swabs	BS EN ISO 13720:2010
MF32	Food	Enumeration of Sulfite Reducing Clostridia in Foods by Colony Count Technique	BS ISO 15213:2003
MF37	Food, Swab	Enumeration of Aerobic Plate Count in Foods, Animal Feeding Stuffs, and Environmental Swabs Using Petrifilm™ Aerobic Count Plate Method	AOAC 990.12
MF38	Food, Swab	Enumeration of Coliform Count in Foods, Animal Feeding Stuffs and Environmental Samples Using Petrifilm™ Coliform Count Plate Method	AOAC 989.10, 991.14
MF39	Food, Swab	Enumeration of Enterobacteriaceae in Foods and environmental Samples using Petrifilm™ Enterobacteriaceae Count Plate Method	AOAC 2003.01
MF40	Food, Swab	Enumeration of Yeast and Molds in Foods Using Petrifilm™ Yeast and Mold Count Plate Method	AOAC 997.02
MF41	Food, Swab	Enumeration of <i>Staphylococcus aureus</i> in Foods and Animal Feeding Stuffs Using Petrifilm™ Staph Express Count Plate Method	AOAC 2003.07, 2003.08, 2003.11
MS004	Soil, Sludge	Enumeration of Total Coliform & Fecal Coliform by MPN	AS/NZS 4276.6:1995
MW002	Water	Total (Heterotrophic) Plate Count by Pour Plate Technique	AS 4276.3.1; SM 9215 B, APHA 23 <sup>rd</sup> Edition, 2017
MW005	Water	Enumeration of Total Coliform in Water by Most Probable Number (MPN) Technique	SM 9221 B, APHA 23 <sup>rd</sup> Edition, 2017
MW006	Water	Enumeration Fecal (Thermotolerant) Coliforms by Membrane Filtration (MF) Technique	AS/NZS 4276.7:2007
MW006	Water	Enumeration of Fecal (Thermotolerant) Coliforms by Membrane Filtration (MF) Technique	AS/NZS 4276.7:2007

<u>ALS Method Code</u>	<u>Matrices</u>	<u>Parameter/Analyte</u>	<u>Reference(s)</u>
MW007	Water	Enumeration of Total Coliforms by Membrane Filtration (MF) Technique	AS/NZS 4276.5:2007
MW008	Water	Enumeration of <i>E. coli</i> and Fecal (Thermotolerant) Coliform by MPN Technique	AS/NZS 4276.6:2007
MW008	Water	Enumeration Fecal (Thermotolerant) Coliform by Most Probable Number (MPN) Technique	AS/NZS 4276.6:2007
MW009	Water	Enumeration of Total Coliform by MPN Technique	AS/NZS 4276.6:2007
MW010	Water	Enumeration of <i>Pseudomonas aeruginosa</i> in Water by Membrane Filtration (MF) Technique	AS 4276.13:2008
MW011	Water	Enumeration of Pseudomonads by Membrane Filtration (MF) Technique	AS 4276.11:1995
MW013	Water	Enumeration of Fecal Streptococci by Membrane Filtration (MF) Technique	SM 9230 C, APHA 23 <sup>rd</sup> Edition, 2017
MW014	Water	Enumeration of Fecal Streptococci by Most Probable Number (MPN) Technique	AS/NZS 4276.8:1995
MW022	Water	Detection of <i>Salmonella</i> spp. in Water	ISO 19250:2010
MW023	Water	Enumeration of Enterococci spp. by Membrane Filtration (MF) Technique	AS/NZS 4276.9:2007
MW030	Water	Enumeration of Fungi (Yeast and Mold) by Pour Plate Method	SM 9610 B & C, APHA 23 <sup>rd</sup> Edition, 2017
MW034	Water	Enumeration of Coagulase Positive Staphylococci ( <i>Staphylococcus aureus</i> ) in Water by Membrane Filtration (MF) Technique	AS/NZS 4276.20:2003
MW036	Water	Enumeration of Fecal (Thermotolerant) Coliform and <i>E. coli</i> by Most Probable Number (MPN) Technique	SM 9221 E & F, APHA 23 <sup>rd</sup> Edition, 2017



CHEMICAL

<u>ALS Method Code</u>	<u>Matrix</u>	<u>Parameter/Analyte</u>	<u>Reference</u>
EA005	Water	pH	SM 4500 H+ - B, APHA 23 <sup>rd</sup> Edition, 2017
EK010	Water	Total Residual Chlorine	SM 4500-Cl G, APHA 23 <sup>rd</sup> Edition, 2017
EK011	Water	Free Chlorine	SM 4500-Cl G, APHA 23 <sup>rd</sup> Edition, 2017
EP025	Water	Dissolved Oxygen	SM 4500 O, APHA 23 <sup>rd</sup> Edition, 2017
EP030	Water	Biochemical Oxygen Demand	SM 5210 B, APHA 23 <sup>rd</sup> Edition, 2017





## *Accredited Laboratory*

A2LA has accredited

### **ALS ARABIA (LIFE SCIENCES, JEDDAH)**

*Jeddah, SAUDI ARABIA*

for technical competence in the field of

### **Biological Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).



Presented this 31<sup>st</sup> day of July 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 3258.04  
Valid to March 31, 2020

*For the tests to which this accreditation applies, please refer to the laboratory's Biological Scope of Accreditation.*