



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ALS ARABIA (LIFE SCIENCES, JEDDAH)
P.O. Box 54605, Phase IV, Street 62, Industrial Area 1
Jeddah 21254, SAUDI ARABIA
Mohamed Elbeb Phone: +966 13 834 5959 ext: 239
mohamed.elbeb@alsarabia.com.

BIOLOGICAL

Valid To: March 31, 2024

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 matrix and analyte categories identified below:

<u>Matrix</u>	<u>Parameter/Analyte</u>	<u>ALS Method Code</u>	<u>Reference(s)</u>
Food	Detection of <i>Escherichia coli</i> O157 in Foods by Cultivation	MF14	US FDA/BAM Chapter 4A (modified)
Food	Enumeration of <i>E. coli</i> in Food by Most Probable Number (MPN) Technique	MF02-B	US FDA/BAM Chapter 4, 2017/ISO 7251:2005
Food	Enumeration of Faecal (Thermotolerant) Coliform Count in Food by Most Probable Number (MPN) Technique	MF02-A	US FDA/BAM Chapter. 4, 201/ISO 7251:2005
Food	Enumeration of Sulfite Reducing Clostridia in Foods by Colony Count Technique	MF32	BS ISO 15213:2003
Food, Feed, Swab	Confirmation of <i>Salmonella</i> spp.	MF04A	ISO 6579-1:2017
Food, Feed, Swab	Detection of <i>Campylobacter</i> spp. by Colony Count Technique	MF07	ISO 10272-1:2017
Food, Feed, Swab	Detection of <i>E. coli</i> in Foods, Animal Feeding Stuffs and environmental Samples	MF20	ISO 7251:2005
Food, Feed, Swab	Detection of <i>Listeria</i> spp. and <i>Listeria monocytogenes</i> in Food	MF09	ISO 11290-1:2017
Food, Feed, Swab	Detection of <i>Salmonella</i> spp. in Foods, Animal Feeding Stuffs and Environmental Samples	MF04	ISO 6579-1:2017

<u>Matrix</u>	<u>Parameter/Analyte</u>	<u>ALS Method Code</u>	<u>Reference(s)</u>
Food, Feed, Swab	Enumeration of Aerobic Plate Count in Foods, Animal Feeding Stuffs and Environmental Swabs (Rehydrated Media Aerobic Count Plate Method)	MF37	AOAC 990.12
Food, Feed, Swab	Enumeration of <i>Bacillus cereus</i> by Colony Count Technique	MF10	ISO 7932:2004
Food, Feed, Swab	Enumeration of β -Glucuronidase Positive <i>E. coli</i>	MF19	ISO 16649-2:2001
Food, Feed, Swab	Enumeration of <i>Clostridium perfringens</i> by Colony Count Technique	MF11	ISO 7937:2004
Food, Feed, Swab	Enumeration of Coliform Count in Foods, Animal Feeding Stuffs and Environmental Samples (Rehydrated Media Coliform Count Plate Method)	MF38	AOAC 989.10 & AOAC 991.14
Food, Feed, Swab	Enumeration of Coliforms in Food, Animal Feeding Stuffs and Swabs by Colony Count Technique	MF02-C	US FDA/BAM Chapter 4, 2017/ISO 4832:2006
Food, Feed, Swab	Enumeration of Enterobacteriaceae in Food, Animal Feeding Stuffs and Environmental Samples by Colony Count Technique	MF13	ISO 21528-2:2017
Food, Feed, Swab	Enumeration of Enterobacteriaceae in Foods and Environmental Samples (Rehydrated Media Enterobacteriaceae Count Plate)	MF39	AOAC 2003.01
Food, Feed, Swab	Enumeration of Enterococci/Fecal Streptococci in Foods and Environmental Sample	MF06A	CMMEF Chapter 10, APHA 5 th Edition
Food, Feed, Swab	Enumeration of <i>E. coli</i> in Food, Animal Feeding Stuffs and Swabs by Pour Plate Method	MF02-D	CMMEF Chapter 9, APHA 5 th Edition
Food, Feed, Swab	Enumeration of <i>Staphylococcus aureus</i> (Coagulase Positive Staphylococci) in Food, Animal Feeding Stuffs and Environmental Samples	MF05	ISO 6888-1:1999, A1:2003

<u>Matrix</u>	<u>Parameter/Analyte</u>	<u>ALS Method Code</u>	<u>Reference(s)</u>
Food, Feed, Swab	Enumeration of <i>S. aureus</i> in Foods and Animal Feeding Stuffs (Rehydrated Media Staph Express Count Plate)	MF41	AOAC 2003.07, AOAC 2003.08 & AOAC 2003.11
Food, Feed, Swab	Enumeration of Yeast and Molds in Foods, Animal feeding Stuffs and Swab (Rehydrated Media Yeast and Mold Count Plate)	MF40	AOAC 997.02
Food, Feed, Swab	Enumeration of Yeast and Moulds by Colony Count Technique in Products with Water Activity greater than 0.95	MF12	ISO 21527-1:2008
Food, Feed, Swabs	Enumeration of Presumptive <i>Pseudomonas</i> spp. in Food, Animal Feeding Stuffs and Swabs	MF31	BS EN ISO 13720:2010
Food, Feed, Swabs	Enumeration of Total Coliform in Food, Animal Feeding Stuffs and Swab by Most Probable Number (MPN) Technique	MF02	ISO 4831:2006
Food, Feed, Swabs	Standard Plate Count by Pour Plate Method	MF01	USFDA/BAM Chapter 3, 2001
Soil, Sludge	Enumeration of Total Coliform and Faecal Coliform by MPN	MS004	AS/NZS 4276.6:1995
Water	Detection of <i>Salmonella</i> spp. in Water	MW022	ISO 19250:2010
Water	Enumeration of <i>C. perfringens</i> in Water by Membrane Filtration (MF)	MW033	ISO 14189:2013
Water	Enumeration of Coagulase Positive Staphylococci (<i>S. aureus</i>) in Water by Membrane Filtration Technique	MW034	AS/NZS 4276.20:2003
Water	Enumeration of Enterococci spp. in Water by Membrane Filtration (MF) Technique	MW023	AS/NZ 4276.9:2007
Water	Enumeration of <i>E. coli</i> by in Water by Membrane Filtration (MF) Technique	MW006	AS /NZS 4276.7:2007
Water	Enumeration of <i>E. coli</i> by Most Probable Number (MPN) Technique	MW008	AS/NZS 4276.6:2007

<u>Matrix</u>	<u>Parameter/Analyte</u>	<u>ALS Method Code</u>	<u>Reference(s)</u>
Water	Enumeration of Fecal Coliforms (Thermotolerant) by Membrane Filtration (MF) Technique	MW006	AS/NZS 4276.7:2007
Water	Enumeration of Faecal (Thermotolerant) Coliform by Most Probable Number (MPN) Technique	MW008	AS/NZS 4276.6:2007
Water	Enumeration of Fecal Streptococci by Membrane Filtration (MF) Technique	MW013	SM 9230 C, APHA 23 rd Edition, 2017
Water	Enumeration of Fecal Streptococci by Most Probable Number (MPN) Technique	MW014	AS/NZS 4276.8:1995
Water	Enumeration of Fungi (Yeast and Molds) in Water by Pour Plate Method	MW030	SM 9610 B & C, APHA 23 rd Edition, 2017
Water	Enumeration of Heterotrophic Plate Count in Water by Pour Plate Technique	MW002	AS 4276.3.1/SM 9215B, APHA 23 rd Edition, 2017
Water	Enumeration of <i>Pseudomonas aeruginosa</i> in Water by Membrane Filtration (MF) Technique	MW010	AS /NZS 4276.13:2008
Water	Enumeration of Pseudomonads in Water by Membrane Filtration (MF) Technique	MW011	AS/NZS 4276.11:1995
Water	Enumeration of Thermotolerant (Faecal) Coliform and <i>E. coli</i> by Most Probable Number (MPN) Technique	MW036	SM 9221 E & F, APHA 23 rd Edition, 2017
Water	Enumeration of Total Coliform in Water by Membrane Filtration (MF) Technique	MW007	AS/NZS 4276.5:2007
Water	Enumeration of Total Coliform in Water by Most Probable Number (MPN) Technique	MW005	SM 9221 B, APHA 23 rd Edition, 2017
Water	Enumeration of Total Coliform in Water by Most Probable Number (MPN) Technique	MW009	AS/NZS 4276.6:2007

CHEMICAL

<u>Matrix</u>	<u>Parameter/Analyte</u>	<u>ALS Method Code</u>	<u>Reference</u>
Water	Biochemical Oxygen Demand	EP030	SM 5210 B, APHA 23 rd Edition, 2017
Water	Conductivity	EA010	SM 2510 B, APHA 23 rd Edition, 2017
Water	Dissolved Oxygen	EP025	SM 4500 O, APHA 23 rd Edition, 2017
Water	Free Chlorine	EK011	SM 4500-Cl G, APHA 23 rd Edition, 2017
Water	pH	EA005	SM 4500 H+ - B, APHA 23 rd Edition, 2017
Water	Total Residual Chlorine	EK010	SM 4500-Cl G, APHA 23 rd Edition, 2017
Water	Turbidity	EA045	SM 2130 B, APHA 23 rd 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 17025:2017 *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 11th day of January 2021.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3258.04
Valid to March 31, 2024

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