



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

BIOAGRI ANALISES DE ALIMENTOS LTDA
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BIOLOGICAL

Valid To: August 31, 2024

Certificate Number: 5180.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on food, feed, swab, and water:

<u>Tests</u>	<u>Laboratory Test Method(s)</u>	<u>Reference Method(s)</u>
Filth Testing		
Fungi Detection – Howard	MB - PA 118	AOAC 945.90; AOAC 945.90; AOAC 945.91; AOAC 945.92 ; AOAC 945.94; AOAC 965.41; AOAC 984.29
Qualitative Determination by Presence/Absence Technique	MB - PA 087	Macroanalytical Procedures Manual – U.S. Food and Drug Administration (US FDA)
	MB - PA 088	AOAC 975.49
	MB - PA 089	BARBIERI, M.K.; ATHIE, I.; de PAULA, D.C; CARDOZO, G.M.B.Q. Microscopia em Alimentos: Identificação Histológica e Material Estranho. Campinas. CIAL/ITAL, 2001. p. 42-43
	MB - PA 090	AOAC 968.35

<u>Tests</u>	<u>Laboratory Test Method(s)</u>	<u>Reference Method(s)</u>
Qualitative Determination by Presence/Absence Technique (<i>cont'd</i>)	MB - PA 091	IAL. Métodos de Análise Microscópica de Alimentos: Isolamento de Elementos Histológicos. São Paulo: Letras e Letras. p. 23-24
	MB - PA 092	AOAC 945.77; AOAC 969.42
	MB - PA 093	AOAC 945.75; AOAC 970.66
	MB - PA 094	AOAC 945. 80; AOAC 971.34
	MB - PA 095	AOAC 970.73
	MB - PA 096	AOAC 972.35
	MB - PA 097	AOAC 965.38
	MB - PA 098	AOAC 988.16 B
	MB - PA 099	AOAC 973.60
	MB - PA 100	AOAC 980.27
	MB - PA 101	AOAC 981.18; AOAC 975.49; AOAC 960.51; AOAC 965.40
	MB - PA 102	AOAC 978.19 B
	MB - PA 103	AOAC 967.24 A and B
	MB - PA 104	AOAC 981.20
	MB - PA 105	AOAC 965.39 B
	MB - PA 106	AOAC 972.33
	MB - PA 107	AOAC 993.26
	MB - PA 108	AOAC 950.89
	MB - PA 109	AOAC 950.86
	MB - PA 110	AOAC 992.12
	MB - PA 111	AOAC 968.33 A
	MB - PA 112	AOAC 970.70; AOAC 972.36; AOAC 972.37

Tests	Laboratory Test Method(s)	Reference Method(s)
Qualitative Determination by Presence/Absence Technique (<i>cont'd</i>)	MB - PA 113	AOAC 960.49
	MB - PA 114	IAL. Métodos de Análise Microscópica de Alimentos: Isolamento de Elementos Histológicos. São Paulo: Letras e Letras. p. 151 – 152
	MB - PA 115	AOAC 970.72
	MB - PA 116	AOAC 955.46 B
	MB - PA 117	AOAC 945.79 A
	MB - PA 122	AOAC 945.75; AOAC 970.66
	MB - PA 124	AOAC 972.32; AOAC 982.32
	MB - PA 126	AOAC 945.85
	MB - PA 127	AOAC 945.75 C; AOAC 970.71 A
Plate Count Techniques		
<i>Bacillus cereus</i> – Quantitative Determination by Spread Plate Counting Technique	MB - PA 002	ISO 7932
<i>Clostridium perfringens</i> – Quantitative Determination by Pour Plate Counting Technique	MB - PA 005 A	ISO 7937
Enterobacteriaceae – Quantitative Determination by Petrifilm Technique	MB - PA 121	AOAC 2003.01; AFNOR 3M01/06-09/97
Enterobacteriaceae – Quantitative Determination by Pour Plate Technique	MB - PA 008	ISO 21528-2
<i>Enterococcus</i> – Quantitative Determination by Pour Plate Technique	MB - PA 009	APHA. Compendium of Methods for the Microbiological Examination of Foods. Chapter 10
<i>Legionella</i> spp. – Quantitative Determination by Surface Counting Technique	MB - PA 139	ISO 11731
<i>Listeria</i> spp. and <i>Listeria monocytogenes</i> – Enumeration	MB - PA 130	ISO 11290-2
Mesophilic Aerobic Bacteria – Quantitative Determination by Petrifilm Technique	MB - PA 019 C	AOAC 986.33; AOAC 990.12; AFNOR 3M01/1-09/98

<u>Tests</u>	<u>Laboratory Test Method(s)</u>	<u>Reference Method(s)</u>
Mesophilic Aerobic Spores – Quantitative Determination by Pour Plate Counting Technique	MB - PA 011	APHA. Compendium of Methods for the Microbiological Examination of Foods. Chapter 23
Mesophilic Aerobic Bacteria – Quantitative Determination by Pour Plate Technique	MB - PA 019 A MB - PA 019 O	ISO 4833-1; ISO 6222
Molds and Yeasts – Quantitative Determination by Spread Plate Counting Technique	MB - PA 004 A MB - PA 004 B MB - PA 004 C	ISO 21527-1; ISO 21527-2 ISO 6611
Productive Acid Bacteria – Quantitative Determination by Pour Plate Counting Technique	MB - PA 003 A MB - PA 003 M	ISO 15214; ISO 7889
<i>Staphylococcus aureus</i> – Quantitative Determination by Petrifilm Technique	MB - PA 084	AOAC 2003.07; AOAC 2003.08; AOAC 2003.11
<i>S. aureus</i> – Quantitative Determination by Pour Plate Counting Technique	MB - PA 133	APHA. Compendium of Methods for the Microbiological Examination of Foods. Chapter 39
<i>Staphylococcus</i> Coagulase Positive – Quantitative Determination by Surface Counting Technique	MB - PA 017	ISO 6888-1
Sulphite-Reducing Anaerobic Bacteria – Quantitative Determination by Pour Plate Counting Technique	MB - PA 006	ISO 15213
Thermophilic Aerobic Spores and "Flat Sour" – Quantitative Determination by Pour Plate Counting Technique	MB - PA 012	APHA. Compendium of Methods for the Microbiological Examination of Foods. Chapter 26
Total Coliforms and Thermotolerant Coliforms – Quantitative Determination by Pour Plate Counting Technique	MB - PA 007 B	Manual de Metodos Oficiais para Análise de Alimentos de Origem Animal
Total Coliforms – Quantitative Determination by Pour Plate Counting Technique	MB - PA 007 A	ISO 4832
Total Coliforms, Thermotolerant Coliforms and <i>Escherichia coli</i> – Quantitative Determination by Petrifilm Technique	MB - PA 010 A	AFNOR 3M-01/2-09/89C; AOAC 986.33; AOAC 989.10; AOAC 991.14; AOAC 998.08
Total Coliforms, Thermotolerant Coliforms and <i>E. coli</i> – Quantitative Determination by Pour Plate Counting Technique	MB - PA 007 C	APHA. Compendium of Methods for the Microbiological Examination of Foods. Chapter 9

<u>Tests</u>	<u>Laboratory Test Method(s)</u>	<u>Reference Method(s)</u>
Presence/Absence Techniques		
<i>Cronobacter</i> spp. – Qualitative Determination by Presence/Absence Technique	MB - PA 128	ISO 22964
<i>L. monocytogenes</i> – Qualitative Determination by Presence/Absence Technique	MB - PA 036	ISO 11290-1
<i>Salmonella</i> spp. – Qualitative Determination by Presence/Absence Technique	MB - PA 042 A	ISO 6579-1
Presence/Absence by VIDAS Techniques		
<i>L. monocytogenes</i> – Qualitative Determination by Presence/Absence Technique (VIDAS®)	MB - PA 037 A	AOAC 2004.02
<i>Listeria</i> spp. – Qualitative Determination by Presence/Absence Technique (VIDAS®)	MB - PA 123	AOAC 2004.06
<i>Salmonella</i> spp. – Qualitative Determination by Presence/Absence Technique (VIDAS®)	MB - PA 044	AFNOR12/16- 09/05 AOAC 2011.03
Staphylococcal Enterotoxins – Qualitative Determination by Presence/Absence Technique (VIDAS®)	MB - PA 129	AOAC 2007.06



Accredited Laboratory

A2LA has accredited

BIOAGRI ANALISES DE ALIMENTOS LTDA

Sao Paulo, BRASIL

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 18th day of October 2022.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5180.01
Valid to August 31, 2024

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