Schedule of Accreditation

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Accredited to ISO/IEC 17025:2017

Southern Microbiological Services Ltd

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	<u>Microbiological Testing</u> Detection:	Documented In-House Methods:
ANIMAL FEEDS, COMPOST and DIGESTATES	*Salmonella* spp (confirmed)	1) SOPSALDEF in accordance with ABPR (Enforcement) (England) Regulation 2013 No. 881 as implemented by EU142/2011 using method based on BS EN ISO 6579-1:2017+Amd 1:2020 2) SOPSALO in-house method using Neogen BPW HQ + OBOP-S supplement and CASE selective agar
	Enumeration:	
ANIMAL FEEDS	Enterobacteriaceae	SOPEESDEF in accordance with ABPR (Enforcement) (England) Regulation 2013 No. 881 as implemented by EU142/2011 using method based on BS EN ISO 21528-2:2017
COMPOSTS and DIGESTATES	*β*-glucuronidase-positive *Escherichia coli*	SOPEECDEF in accordance with ABPR (Enforcement) (England) Regulation 2013 No. 881 as implemented by EU142/2011 using method based on BS ISO 16649-2: 2001

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
COSMETICS (Toiletries, Personal Care Products)	<u>Microbiological Testing</u> Detection:	Documented In-House Methods:
	Specified organisms: *Candida albicans* *Escherichia coli* *Pseudomonas aeruginosa* *Staphylococcus aureus*	SOPCOSDETN - based on BS EN ISO 18415:2017+A1:2022
	Enumeration:	
(including environmental swabs from production facilities)	Total aerobic colony counts: Bacteria Moulds and Yeast	SOPCOS - based on: BS EN ISO 21149:2017+A1:2022 BS EN ISO 16212:2017+A1:2022 (using SDA)
	Preservative Efficiacy Testing (challenge testing)	SOPCOSCTEST - based on: 1) BS EN ISO 11930:2019+ A1:2022 2) European Pharmacopoeia – 5.1.3 Efficacy of Antimicrobial Preservation
ENVIRONMENTAL SWABS	Detection:	
	Escherichia coli O157 (confirmed)	SOPDEC based on BS EN ISO 16654:2001+A2:2023
	Listeria spp (confirmed)	1) SOPALOA based on BS EN ISO 11290-1:2017 confirmation by haemolysis determination, catalase, Gram stain and ThermoFisher Microbact Listeria 12L or BioMerieux API Listeria 2) SOPLESS in-house method using Neogen LESS Plus enrichment broth and chromogenic agar confirmation by haemolysis determination, catalase, Gram stain and ThermoFisher Microbact Listeria 12L or BioMerieux API Listeria

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ENVIRONMENTAL SWABS (cont'd)	Microbiological Testing (cont'd)	Documented In-House Methods:
	Detection:	
	Salmonella spp (confirmed)	1) SOPSAL based on BS EN ISO 6579-1:2017+Amd 1:2020 2) SOPSALO in-house method using Neogen BPW HQ + OBOP-S supplement and CASE selective agar
	Enumeration:	
	Aerobic mesophilic count	1) SOPMET based on BS EN ISO 4833-1:2013+A1:2022 (pour plate) and BS EN ISO 4833-2:2013+A1:2022 (spread plate) 2) SOPMET using pour plate or spread plate at 30°C/48h
	Bacillus cereus (presumptive)	SOPEBC based on BS EN ISO 7932:2004+Amd 1:2020
	Coliforms (presumptive and confirmed)	SOPECS based on BS ISO 4832:2006
	Clostridium perfringens (presumptive and confirmed)	SOPCLO based on BS EN ISO 15213-2:2023 with in-house documented confirmation procedure employing aerobic/anaerobic growth and BioMérieux Rapid API 32A
	Enterobacteriaceae (presumptive and confirmed)	SOPEES based on BS EN ISO 21528-2:2017
	β-glucuronidase-positive *Escherichia coli*	SOPEEC based on BS ISO 16649:2:2001
	Mesophilic Lactic acid bacteria (confirmed)	SOPELA based on BS ISO 15214:1998
	Pseudomonas spp (presumptive)	SOPPSE based on BS EN ISO 13720:2010

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ENVIRONMENTAL SWABS (cont'd)	Microbiological Testing (cont'd)	Documented In-House Methods:
	Enumeration:	
	Staphylococcus aureus (confirmed)	SOPESA based on BS EN ISO 6888-1:2021+A1:2023 with confirmation by Staphytect agglutination kit
	Yeasts and Moulds (confirmed)	SOPDRBC based on BS ISO 21527-1:2008
FOOD and FOOD PRODUCTS - Unspecified (including processed dairy produce)	Detection:	
	Campylobacter spp (confirmed)	SOPCAM based on BS EN ISO 10272-1:2017+A1:2023
	Escherichia coli O157 (confirmed)	SOPDEC based on BS EN ISO 16654:2001+A2:2023
	Listeria spp (confirmed)	1) SOPALOA based on BS EN ISO 11290-1:2017 confirmation by haemolysis determination, catalase, Gram stain and ThermoFisher Microbact Listeria 12L or BioMerieux API Listeria 2) SOPLESS in-house method using Neogen LESS Plus enrichment broth and chromogenic agar confirmation by haemolysis determination, catalase, Gram stain and ThermoFisher Microbact Listeria 12L or BioMerieux API Listeria
	Salmonella spp (confirmed)	1) SOPSAL based on BS EN ISO 6579-1:2017+Amd 1:2020 2) SOPSALO in-house method using Neogen BPW HQ + OBOP-S supplement and CASE selective agar

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOOD and FOOD PRODUCTS cont'd Unspecified (including processed dairy produce)	Microbiological Testing (cont'd)	Documented In-House Methods:
	Enumeration:	
	Aerobic mesophilic count	1) SOPMET based on BS EN ISO 4833-1:2013+A1:2022 (pour plate) and BS EN ISO 4833-2:2013+A1:2022 (spread plate) 2) SOPMET using pour plate or spread plate at 30°C/48h
	Bacillus cereus (presumptive)	SOPEBC based on BS EN ISO 7932:2004+Amd 1:2020
	Clostridium perfringens (presumptive)	SOPCLO based on BS EN ISO 15213-2:2023 with in-house documented confirmation procedure employing aerobic/anaerobic growth and BioMérieux Rapid API 32A
	Coliforms (presumptive and confirmed)	SOPECS based on BS ISO 4832:2006
	Enterobacteriaceae (presumptive and confirmed)	SOPEES based on BS ISO 21528-2:2017
	β-glucuronidase-positive *Escherichia coli*	SOPEEC based on BS ISO 16649-2:2001
	Mesophilic Lactic acid bacteria (confirmed)	SOPELA based on BS ISO 15214:1998
	Listeria spp (confirmed)	SOPALOA based on BS EN ISO 11290-2:2017 confirmation by haemolysis determination, catalase, Gram stain and ThermoFisher Microbact Listeria 12L or BioMerieux API Listeria
	Pseudomonas spp (presumptive)	SOPPSE based on BS EN ISO 13720:2010

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOOD and FOOD PRODUCTS cont'd Unspecified (including processed dairy produce)	Microbiological Testing (cont'd) Enumeration:	Documented In-House Methods:
	Staphylococcus aureus (confirmed)	SOPESA based on BS EN ISO 6888-1:2021+A1:2023 with confirmation by Staphytect agglutination kit
(for products with Aw>0.95)	Yeasts and Moulds (confirmed)	SOPDRBC based on BS ISO 21527-1:2008
FOOD and FOOD PRODUCTS - Fruit Juices	Enumeration:	
	Aerobic mesophilic colony count	1) SOPMET using pour plate, acidified Orange Serum Agar (aOSA) at 30°C/72h (client specified) 2) SOPMET using pour plate, Orange Serum Agar (OSA) at 30°C/72h (client specified)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATER Drinking (non regulatory), Process	<u>Microbiological Tests</u> Enumeration:	Documented In-house Methods:
	Coliforms (confirmed)	SOPMEW based on The Microbiology of Drinking Water, Part 4B:2016, by membrane filtration
	Coliforms and *Escherichia coli*	SOPCOL based on The Microbiology of Drinking Water, Part 4D: 2016
	Clostridium perfringens (presumptive)	SOPMEW based on The Microbiology of Drinking Water, Part 6:2021 by membrane filtration
	Escherichia coli (confirmed)	SOPMEW based on The Microbiology of Drinking Water, Part 4:2016, by membrane filtration
	Enterococci (confirmed)	SOPMEW based on The Microbiology of Drinking Water, Part 5:2012 by membrane filtration
	Sulphite Reducing Clostridia (presumptive)	SOPMEW based on The Microbiology of Drinking Water, Part 6:2021 by membrane filtration
	Total aerobic colony counts at 37°C and 22°C	SOPMEW based on The Microbiology of Drinking Water, Part 7:2020
END		