

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Waters Agricultural Laboratories

257 Newton Road
Camilla, GA 31730

Kyle White 229 336 7216
kyle@watersag.com www.watersag.com

TESTING

Valid to: **August 1, 2022**

Certificate Number: **AT-1709**

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>Salmonella</i> spp.	SOP-MB.112 AOAC 2013.09; AOAC 2016.01	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	3M™ Molecular Detection System, Incubators, Scale
<i>E. coli</i> O157:H7	SOP-MB.113 AOAC 2017.01	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	3M™ Molecular Detection System, Incubators, Scale
<i>Listeria</i> spp.	SOP-MB.114 AOAC 2016.07	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	3M™ Molecular Detection System, Incubators, Scale
<i>Listeria monocytogenes</i>	SOP-MB.114 AOAC 2016.08	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	3M™ Molecular Detection System, Incubators, Scale
Aerobic Plate Count	SOP-MB.101 AOAC 990.12	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	3M Petrifilm™, Incubators, Scale
Coliform / <i>E. coli</i> Plate Count	SOP-MB.102 AOAC 991.14	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	3M Petrifilm™, Incubators, Scale
Yeast and Mold Plate Count	SOP-MB.104 AOAC 2014.05	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	3M Petrifilm™, Incubators, Scale
<i>Enterobacteriaceae</i> Plate Count	SOP-MB.103 AOAC 2003.01	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	3M Petrifilm™, Incubators, Scale

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<i>Staphylococcus aureus</i>	SOP-MB.111 AOAC 2003.07	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	3M Petrifilm™, Incubators, Scale
Fecal Coliforms	SOP-MB.108 SM 9221E; EPA 1681	Compost, Non-potable water	Heat Block, Scale
Total Coliform <i>Generic E. coli</i> Fecal Coliforms	SOP-MB.109, SOP-MB.110 SM 9223B; IDEXX P/A and MPN Methods	Drinking Water, Non-potable Water, Irrigation Water	Colilert, IDEXX Quanti-Tray
<i>Salmonella</i> spp.	SOP-MB.115 AOAC RI 021105	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	PALL GeneDisc® System, Incubators, Scale
<i>E. Coli</i> O157:H7	SOP-MB.115 AOAC RI 021105	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	PALL GeneDisc® System, Incubators, Scale
STEC (EHEC)	SOP-MB.116 AOAC RI 031401	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	PALL GeneDisc® System, Incubators, Scale
<i>Bacillus cereus</i>	SOP-MB.117	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	Duopath® Cereus Enterotoxins, Incubators, Scale
Total Coliform <i>Generic E. coli</i>	SOP-MB.123 EPA 1603	Drinking Water, Non-potable Water, Irrigation Water	HACH m-ColiBlue24 Broth Membrane Filtration
<i>Aflatoxins</i>	SOP-FD.101	Pecans/Walnuts	VICAM AflaTest Fluorometer

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Pesticides	EPA 8081B; Internal Procedures SOP-PA.002; SOP-PA.006 SOP-PA.009; SOP-PA.013	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irrigation Water, Soil, Feed	GC-ECD GC-MS-MS
Pesticides	SOP-PA.013 AOAC 2007.01	Food, Environmentals, Fruits, Vegetables, Leafy Greens, Yeast, Irr. Water, Soil, Feed	LC-MS GC-MS

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Cannabinoids	SOP-PA.019	Cannabis (THC & CBD)	HPLC UV

Satellite location

Waters Agricultural Laboratories

364 W. Park Drive
Warsaw, NC 28398

Kyle White 229 336 7216
kyle@watersag.com www.watersag.com

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Microbiological

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Total Coliform <i>Generic E. coli</i>	SOP-MB.109 SM 9223B; IDEXX P/A and MPN Methods	Drinking Water, Non-potable Water, Irrigation Water	Colilert, IDEXX Quanti-Tray

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1709.



R. Douglas Leonard Jr., VP, PILR SBU