SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SILLIKER, INC.
dba MÉRIEUX NUTRISCIENCES
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BIOLOGICAL

Valid To: March 31, 2026 Certificate Number: 1105.25

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the A2LA Food Testing Program Requirements, containing the 2018 "*AOAC International Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Foods, Dietary Supplements, and Pharmaceuticals*"), accreditation is granted to this laboratory to perform the following tests on animal feed, foods, beverages, and powders:

**Quantitative**

| Test Method Name | In-House Method | Reference Method |
|---|---|---|
| Aerobic Plate Count | QA-0015-0201 | AOAC 966.23 |
| *Bacillus cereus*/g, Presumptive | QA-0065-0800 | FDA BAM Ch. 14 |
| Coagulase Positive *Staphylococci* | QA-0030-0401 | FDA BAM Ch. 12 |
| Coliforms (VRB) | QA-0020-0303 | FDA BAM Ch. 4 |
| *Escherichia coli* (VRB) | QA-0025-0304 | FDA BAM Ch. 4 |
| Total Viable Count - Probiotics | QA-0015-0260 | N/A |
| Yeast & Mold | QA-0035-0501 | FDA BAM Ch. 18 (7th Ed.) |

**Qualitative**

| Test Method Name | In-House Method | Reference Method(s) |
|---|---|---|
| *E. coli* O157: H7 FDA Method | QA-0025-0584 | FDA BAM Ch. 4A |
| ID by VITEK MS | QA-0095-3100 | N/A |
| ID via Gene Sequencing | QA-0095-3000 | N/A |
| *Listeria monocytogenes* (Cultural Screen & Confirmation) | QA-0116-4000 | USDA MLG 8 |
| Norovirus and Hepatitis A Virus Real-Time Reverse Transcription – PCR | QA-0070-5100 | ISO 15216-2 |
| *Salmonella* (Cultural Screen & Confirmation) | QA-0010-0101 | AOAC 967.26, 967.27, 978.24<br>FDA BAM Ch.5 |



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| Test Method Name | In-House Method | Reference Method(s) |
|---|---|---|
| *Salmonella* (Cultural Screen & Confirmation) | QA-0010-0156 | USDA MLG 4 |

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

**Challenge and Validation Studies**

| Test Method Name | In-House Method | Reference Method |
|---|---|---|
| Guideline for Developing Challenge Study Proposals | QA-SOPN-0074 | N/A |
| Guidelines for Process Validation Studies | QA-SOPN-0075 | N/A |

**GMO Testing**

| Test Method Name | In-House Method | Reference Method(s) |
|---|---|---|
| Qualitative and Quantitative Analysis of Genetically Modified Corn by Real-Time PCR<br>Analyte List Annex, Table 1 | QA-0120-1200 | HYG KIT230217 Inst<br>HYG KIT230218 Inst<br>HYG KIT230219 Inst<br>HYG KIT230220 Inst<br>HYG KIT230221 Inst<br>JRC QT-EVE-ZM-009<br>JRC QT-EVE-ZM-011<br>JRC QT-EVE-ZM-012<br>JRC QT-EVE-ZM-013<br>JRC QT-EVE-ZM-014<br>JRC QT-EVE-ZM-020<br>JRC QT-EVE-ZM-022 |
| Qualitative and Quantitative Analysis of Genetically Modified Soybean by Real-Time PCR<br>Analyte List Annex, Table 2 | QA-0120-1300 | HYG KIT230095 Inst<br>HYG KIT230108 Inst<br>JRC QT-EVE-GM-004<br>JRC QT-EVE-GM-005<br>JRC QT-EVE-GM-006<br>JRC QT-EVE-GM-007<br>JRC QT-EVE-GM-008<br>JRC QT-EVE-GM-011<br>JRC QT-EVE-GM-013<br>JRC QT-EVE-GM-014 |
| Qualitative Screening for GMO Markers by SN/T 1204-2016<br>Analyte List Annex, Table 3 | QA-0120-0588 | SN/T 1204-2016 |
| Sample Preparation for DNA Analysis by Real-Time PCR | QA-0120-1000 | HYG Sample Prep Kit III Ins |
| Basic and Extended Qualitative Screens for the Detection of GMO Markers by Real-Time PCR<br>Analyte List Annex, Table 4 | QA-0120-1010 | HYGIENA PCR Kit Inst |
| Qualitative Analysis of Bioengineered Flax by Real- Time PCR<br>Analyte List Annex, Table 5 | QA-0120-0580 | JRC QL-CON-00-010 |

| Test Method Name | In-House Method | Reference Method(s) |
|---|---|---|
| Quantitative Analysis of GMO Markers by Real-Time PCR<br>Analyte List Annex, Table 6 | QA-0120-1400 | JRC QT-ELE-00-004 |
| Sample Preparation and Extraction of DNA for Analysis by Real-Time PCR<br>Analyte List Annex, Table 7 | QA-0120-1000 | HGY SAMPLE PREP KIT |

Key:

| | |
|---|---|
| AOAC | AOAC INTERNATIONAL Official Methods of Analysis |
| FDA BAM | Food and Drug Administration Bacteriological Analytical Manual |
| HYG | Hygiena Diagnostics, GmbH |
| ISO | International Organization for Standardization |
| JRC | European Commission Joint Research Centre Compendium of Reference Methods for GMO Analysis |
| USDA MLG | United States Department of Agriculture Microbiology Laboratory Guidebook |

ANALYTES LIST ANNEX

**Table 1**
**Qualitative and Quantitative Analysis of Genetically Modified Corn by Real-Time PCR**

| Test Method Name | In-House Method | Reference Method |
|---|---|---|
| Bt11 Corn | QA-0120-1200 | HYG KIT230220 Inst |
| Bt176 Corn | QA-0120-1200 | HYG KIT230218 Inst |
| CBH351 Corn | QA-0120-1200 | HYG KIT230218 Inst |
| Event 59122 | QA-0120-1200 | JRC QT-EVE-ZM-012 |
| GA21 Corn | QA-0120-1200 | HYG KIT230217 Inst<br>JRC QT-EVE-ZM-014 |
| MIR162 Corn | QA-0120-1200 | HYG KIT230219 Inst<br>JRC QT-EVE-ZM-022 |
| MIR604 Corn | QA-0120-1200 | HYG KIT230217 Inst<br>JRC QT-EVE-ZM-013 |
| MON810 Corn | QA-0120-1200 | HYG KIT230221 Inst<br>JRC QT-EVE-ZM-020 |
| MON863 Corn | QA-0120-1200 | HYG KIT230221 Inst<br>JRC QT-EVE-ZM-009 |
| MON88017 Corn | QA-0120-1200 | HYG KIT230219 Inst |
| MON89034 Corn | QA-0120-1200 | HYG KIT230218 Inst |
| NK603 Corn | QA-0120-1200 | HYG KIT230219 Inst |
| T25 Corn | QA-0120-1200 | HYG KIT230221 Inst<br>JRC QT-EVE-ZM-011 |
| TC1507 Corn | QA-0120-1200 | HYG KIT230220 Inst |

**Table 2**
**Qualitative and Quantitative Analysis of Genetically Modified Soybean by Real-Time PCR**

| Analyte | In-House Method(s) | Reference Method(s) |
|---|---|---|
| A2704-12 Soy | QA-0120-1300 | JRC QT-EVE-GM-004 |
| A5547-127 Soy | QA-0120-1300 | HYG KIT230108 Inst<br>JRC QT-EVE-GM-007 |
| BPS-CV127-9 Soy | QA-0120-1300 | JRC QT-EVE-GM-011 |
| DAS-44406-6 Soy | QA-0120-1300 | HYG KIT230095 Inst |
| DAS-68416-4 Soy | QA-0120-1300 | JRC QT-EVE-GM-013 |
| DAS-81419-2 Soy | QA-0120-1300 | JRC QT-EVE-GM-014 |
| DP305423 Soy | QA-0120-1300 | JRC QT-EVE-GM-008 |
| DP356043 Soy | QA-0120-1300 | HYG KIT230108 Inst |
| FG72 Soy | QA-0120-1300 | HYG KIT230108 Inst |
| GTS 40-3-2 Soy | QA-0120-1300 | JRC QT-EVE-GM-005 |
| MON87701 Soy | QA-0120-1300 | HYG KIT230095 Inst |
| MON87705 Soy | QA-0120-1300 | HYG KIT230108 Inst |
| MON87708 Soy | QA-0120-1300 | HYG KIT230095 Inst |
| MON87769 Soy | QA-0120-1300 | HYG KIT230095 Inst |
| MON89788 Soy | QA-0120-1300 | JRC QT-EVE-GM-006 |

**Table 3**
**Qualitative Screening for GMO Markers by SN/T 1204-2016**

| Analyte | In-House Method(s) | Reference Method(s) |
|---|---|---|
| 18SrRNA endogenous gene | QA-0120-0588 | SN/T 1204-2016 |
| pCaMV35S transgenic component | QA-0120-0588 | SN/T 1204-2016 |
| pFMV35S transgenic component | QA-0120-0588 | SN/T 1204-2016 |
| Plant endogenous gene | QA-0120-0588 | HYGIENA PCR Kit Inst |
| pNOS transgenic component | QA-0120-0588 | SN/T 1204-2016 |
| pRice-actin | QA-0120-0588 | SN/T 1204-2016 |
| tNOS transgenic component | QA-0120-0588 | SN/T 1204-2016 |

**Table 4**
**Basic and Extended Qualitative Screens for the Detection of GMO Markers by Real-Time PCR**

| Analyte | In-House Method(s) | Reference Method(s) |
|---|---|---|
| Bar | QA-0120-1010 | HYGIENA PCR Kit Inst |
| CTP2-CP4epsps | QA-0120-1010 | HYGIENA PCR Kit Inst |
| P-35S | QA-0120-1010 | HYGIENA PCR Kit Inst |
| P-35S-nptll / P-NOS-nptll | QA-0120-1010 | HYGIENA PCR Kit Inst |
| P-35S-pat | QA-0120-1010 | HYGIENA PCR Kit Inst |
| P-FMV | QA-0120-1010 | HYGIENA PCR Kit Inst |
| T-NOS | QA-0120-1010 | HYGIENA PCR Kit Inst |

**Table 5**
**Quantitative Analysis of Bioengineered Flax by Real-Time PCR**

| Analyte | In-House Method(s) | Reference Method(s) |
|---|---|---|
| Flax FP967 (CDC Triffid) | QA-0120-0580 | JRC QL-CON-00-010 |

**Table 6**
**Quantitative Analysis of GMO Markers by Real-Time PCR**

| Analyte | In-House Method(s) | Reference Method(s) |
|---|---|---|
| P-35S Corn | QA-0120-1400 | JRC QT-ELE-00-004 |
| P-35S Soy | QA-0120-1400 | JRC QT-ELE-00-004 |

**Table 7**
**Sample Preparation and Extraction of DNA for Analysis by Real-Time PCR**

| Analyte | In-House Method(s) | Reference Method(s) |
|---|---|---|
| Fluorometric Total DNA Quant. | QA-0120-1000 | HGY SAMPLE PREP KIT<br>PROMEGA FF3750 KIT |
| Sample Extracted | QA-0120-1000 | HGY SAMPLE PREP KIT<br>PROMEGA FF3750 KIT |

# Accredited Laboratory

A2LA has accredited

## SILLIKER, INC. DBA MÉRIEUX NUTRISCIENCES FOOD SCIENCE CENTER

*Crete, IL*

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 laboratory also meets the requirements of A2LA *R204 – Food and Pharmaceutical Testing Laboratory Accreditation Program*. 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 March 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1105.25
Valid to March 31, 2026

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