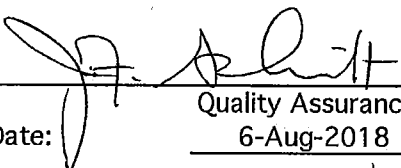




**Certificate of Analysis**

Product Name: PrairiOX™ 90G  
 Product Code: 300164 Date of Manufacture: 18-Jul-2018  
 Lot Number: 128542 Retest Date: 17-Jul-2021

| Composition          |                             |                      |                         |
|----------------------|-----------------------------|----------------------|-------------------------|
| Test                 | Result (mg/g)               | Specification        | Method                  |
| Total Tocopherols    | 945                         | 900 mg/g min         | QC-194A                 |
| delta Tocopherol     | 94                          | Report               |                         |
| beta Tocopherol      | 21                          | Report               |                         |
| gamma Tocopherol     | 716                         | 700 mg/g min         |                         |
| alpha Tocopherol     | 113                         | Report               |                         |
| Physical Properties  |                             |                      |                         |
| Appearance and color | Reddish viscous oily liquid |                      | Visual examination      |
| Identity             | Pass                        | meets spec           | Tocopherol NF, Method B |
| Specific Rotation    | >+20°                       | +20° min             | QC-531                  |
| Taste and odor       | Bland/Neutral               | Bland odor and taste | QC-313B                 |
| Chemical Tests:      |                             |                      |                         |
| Acidity:             | 0.3                         | 1 mL/g max           | AOCS Cd 3d-63           |
| Heavy Metals         | <10 ppm                     | 10 ppm max           | FCC                     |
| Lead:                | <0.49 ppm                   | 2 ppm max            | AOAC 993.14             |
| Arsenic              | <0.49 ppm                   | 1 ppm max            | AOAC 993.14             |
| Microbials           |                             |                      |                         |
| Total Microbial      | <10 cfu/g                   | <10 cfu/g            | USP 61                  |
| Yeast                | <10 cfu/g                   | <10 cfu/g            | USP 61                  |
| Mold                 | <10 cfu/g                   | <10 cfu/g            | USP 61                  |
| E.Coli               | Neg/10g                     | Neg/10g              | USP 62                  |
| Staphylococci        | Neg/10g                     | Neg/10g              | USP 62                  |
| Salmonella           | Neg/10g                     | Neg/10g              | USP 62                  |
| Listeria:            | Neg/25g                     | Neg/25g              | AOAC RI030502           |

  
 Quality Assurance  
 Cert Date: 6-Aug-2018



**SILLIKER, Inc.**  
**Southern California Laboratory**  
 6360 Gateway Drive, Cypress, CA 90630  
 209/ 549 7508 Fax 714/ 226 0009

**CERTIFICATE OF ANALYSIS**

|             |                |
|-------------|----------------|
| COA No:     | SCA-41436980-0 |
| Supersedes: | None           |
| COA Date    | 7/29/18        |
| Page 1 of 1 |                |


**COPY TO:**  
 Ms. Stacie Bible  
 Organic Technologies  
 1245 South 6th Street  
 Coshocton, OH 43812

**ORIGINAL TO:**  
 Mr. Jeff Schmidt  
 Title:QC Manager  
 Organic Technologies  
 1245 South 6th Street  
 Coshocton, OH 43812

|  |               |
|--|---------------|
| <b>Received From:</b>  | Coshocton, OH |
| <b>Received Date:</b>  | 7/24/18       |
| <b>P.O.# / ID:</b>   | 124262        |
| <b>Location of Test: (except where noted)</b><br>Cypress, CA |               |

**Analytical Results**

|  |               |                         |                         |                  |             |
|--|---------------|-------------------------|-------------------------|------------------|-------------|
| <b>Desc. 1:</b>                        | PrairiOx 90G  | <b>Laboratory ID:</b>   | 379291061               |                  |             |
| <b>Desc. 2:</b>                        | Lot# 128542   | <b>Condition Rec'd:</b> | NORMAL                  |                  |             |
|  |               | <b>Temp Rec'd (°C):</b> | 21.9                    |                  |             |
| <b>Analyte</b>                         | <b>Result</b> | <b>Units</b>            | <b>Method Reference</b> | <b>Test Date</b> | <b>Loc.</b> |
| E. coli - Enrichment                   | Negative      | /10g                    | Current USP/NF, 62      | 7/27/18          |             |
| PCR Genus Listeria                     | Negative      | /25g                    | AOAC RI 030502          | 7/26/18          |             |
| Salmonella - USP                       | Negative      | /10g                    | Current USP/NF, 62      | 7/27/18          |             |
| Staphylococci Enrich. - coag. positive | Negative      | /10g                    | Current USP/NF, 62      | 7/27/18          |             |
| Total Microbial Count - USP            | <10           | /g                      | Current USP/NF, 61      | 7/27/18          |             |
| Yeast and Mold - USP                   |               |                         | Current USP/NF, 61      | 7/29/18          |             |
| Yeast                                  | <10           | /g                      |                         |                  |             |
| Mold                                   | <10           | /g                      |                         |                  |             |

  
 \_\_\_\_\_  
 Jorge Hernandez Laboratory Director

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**AMERICAN ANALYTICAL LABORATORIES, INC**

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ANALYTICAL SCIENCES • AKRON OPERATIONS

Organic Technologies  
PO Box 640  
Coshocton, OH 43812Project: 2018 PrairOx 90D  
Project Number: 2018 PrairOx 90D  
Project Manager: Stacie M. Bible**Reported:**  
Aug-03-18 13:22**PrairOx 90D Lot #128542**  
**1807099-01 (Liquid)****Date Sampled**  
Jul-23-18 15:00

| Analyte       | Result | Reporting |  | Units | Dilution | Batch   | Prepared  | Analyzed  | Method              | Analyst | Qualifier |
|---------------|--------|-----------|--|-------|----------|---------|-----------|-----------|---------------------|---------|-----------|
|               |        | Limit     |  |       |          |         |           |           |                     |         |           |
| <b>Metals</b> |        |           |  |       |          |         |           |           |                     |         |           |
| Arsenic       | BRL    | 0.49      |  | ppm   | 100      | A808188 | Aug-01-18 | Aug-02-18 | SW 846<br>6020B     | JG      |           |
| Heavy Metals  | BRL    | 10        |  | ppm   | 1        | A808190 | Aug-01-18 | Aug-01-18 | FCC IV<br>Method II | JG      |           |
| Lead          | BRL    | 0.49      |  | ppm   | 100      | A808188 | Aug-01-18 | Aug-02-18 | SW 846<br>6020B     | JG      |           |

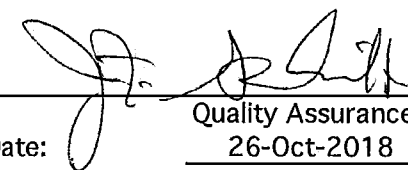


**organic**  
TECHNOLOGIES

**Certificate of Analysis**

Product Name: PrairIOX™ 90G  
 Product Code: 300164 Date of Manufacture: 11-Oct-2018  
 Lot Number: 130611 Retest Date: 10-Oct-2021

| Composition          |                             |                      |                         |
|----------------------|-----------------------------|----------------------|-------------------------|
| Test                 | Result (mg/g)               | Specification        | Method                  |
| Total Tocopherols    | 945                         | 900 mg/g min         | QC-194A                 |
| delta Tocopherol     | 139                         | Report               |                         |
| beta Tocopherol      | 22                          | Report               |                         |
| gamma Tocopherol     | 707                         | 700 mg/g min         |                         |
| alpha Tocopherol     | 78                          | Report               |                         |
| Physical Properties  |                             |                      |                         |
| Appearance and color | Reddish viscous oily liquid |                      | Visual examination      |
| Identity             | Pass                        | meets spec           | Tocopherol NF, Method B |
| Specific Rotation    | >+20°                       | +20° min             | QC-531                  |
| Taste and odor       | Bland/Neutral               | Bland odor and taste | QC-313B                 |
| Chemical Tests:      |                             |                      |                         |
| Acidity:             | <0.01                       | 1 mL/g max           | AOCS Cd 3d-63           |
| Heavy Metals as Lead | Meets                       | 10 ppm max           | FCC                     |
| Lead:                | ND (<0.49 ppm)              | 2 ppm max            | AOAC 993.14             |
| Arsenic              | ND (<0.49 ppm)              | 1 ppm max            | AOAC 993.14             |
| Microbials           |                             |                      |                         |
| Total Microbial      | <10 cfu/g                   | <10 cfu/g            | USP 61                  |
| Yeast                | <10 cfu/g                   | <10 cfu/g            | USP 61                  |
| Mold                 | <10 cfu/g                   | <10 cfu/g            | USP 61                  |
| E.Coli               | Neg/10g                     | Neg/10g              | USP 62                  |
| Staphylococci        | Neg/10g                     | Neg/10g              | USP 62                  |
| Salmonella           | Neg/10g                     | Neg/10g              | USP 62                  |
| Listeria:            | Neg/25g                     | Neg/25g              | AOAC RI030502           |

  
 Quality Assurance  
 Cert Date: 26-Oct-2018



**SILLIKER, Inc.**  
**Southern California Laboratory**

6360 Gateway Drive, Cypress, CA 90630  
 209/ 549 7508 Fax 714/ 226 0009

**CERTIFICATE OF ANALYSIS**

|             |                |
|-------------|----------------|
| COA No:     | SCA-41709724-0 |
| Supersedes: | None           |
| COA Date    | 10/21/18       |
| Page 1 of 1 |                |

**COPY TO:**

Ms. Stacie Bible  
 Organic Technologies  
 1245 South 6th Street  
 Coshocton, OH 43812

**ORIGINAL TO:**


Mr. Jeff Schmidt  
 Title:QC Manager  
 Organic Technologies  
 1245 South 6th Street  
 Coshocton, OH 43812

|   |               |
|---|---------------|
| Received From:  | Coshocton, OH |
| Received Date:  | 10/16/18      |
| P.O.# / ID:   | 125550        |
| Location of Test: (except where noted)<br>Cypress, CA |               |

**Analytical Results**

Desc. 1: PriariOX 90G Laboratory ID: 381852515  
 Desc. 2: Lot# 130611 Condition Rec'd: NORMAL  
 Temp Rec'd (°C): 20.0

| Analyte                                | Result   | Units | Method Reference   | Test Date | Loc. |
|--|----------|-------|--------------------|-----------|------|
| E. coli - Enrichment                   | Negative | /10g  | Current USP/NF, 62 | 10/19/18  |      |
| PCR Genus Listeria                     | Negative | /25g  | AOAC RI 030502     | 10/18/18  |      |
| Salmonella - USP                       | Negative | /10g  | Current USP/NF, 62 | 10/19/18  |      |
| Staphylococci Enrich. - coag. positive | Negative | /10g  | Current USP/NF, 62 | 10/19/18  |      |
| Total Microbial Count - USP            | <10      | /g    | Current USP/NF, 61 | 10/19/18  |      |
| Yeast and Mold - USP                   |          |       | Current USP/NF, 61 | 10/21/18  |      |
| Yeast                                  | <10      | /g    |                    |           |      |
| Mold                                   | <10      | /g    |                    |           |      |

  
 \_\_\_\_\_  
 Jorge Hernandez Laboratory Director

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**AMERICAN ANALYTICAL LABORATORIES, INC**

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ANALYTICAL SCIENCES • AKRON OPERATIONS

Organic Technologies  
PO Box 640  
Coshocton, OH 43812Project: 2018 PrairOx 90G  
Project Number: 2018 PrairOx 90G  
Project Manager: Stacie M. Bible**Reported:**  
Oct-25-18 07:55**PrairiOX 90G Lot #130611**  
**1810091-01 (Liquid)****Date Sampled**  
Oct-12-18 15:00

| Analyte       | Result | Reporting |  | Units | Dilution | Batch   | Prepared  | Analyzed  | Method              | Analyst | Qualifier |
|---------------|--------|-----------|--|-------|----------|---------|-----------|-----------|---------------------|---------|-----------|
|               |        | Limit     |  |       |          |         |           |           |                     |         |           |
| <b>Metals</b> |        |           |  |       |          |         |           |           |                     |         |           |
| Arsenic       | BRL    | 0.49      |  | ppm   | 100      | A810304 | Oct-23-18 | Oct-24-18 | SW 846<br>6020B     | JG      |           |
| Heavy Metals  | BRL    | 10        |  | ppm   | 1        | A810284 | Oct-17-18 | Oct-17-18 | FCC IV<br>Method II | JG      |           |
| Lead          | BRL    | 0.49      |  | ppm   | 100      | A810304 | Oct-23-18 | Oct-24-18 | SW 846<br>6020B     | JG      |           |