



江苏国信协联能源有限公司

**Jiangsu Guoxin Union Energy Co., Ltd.**

中国江苏宜兴经济开发区热电路1号

Address: No.1 Redian Road, Yixing Economic Development Zone, 214203, Jiangsu, China

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Tel: +86-510-87124288 , 87125029 Fax: +86-510-87125020, 87121020

## ORGANIC STATEMENT

### To whom it may concern:

- 1) The raw material of CITRIC ACID & SODIUM CITRATE in our company is Corn and  $\text{CaSO}_4$  which both are uncontaminated, and do not use any pesticide in it.
- 2) In the process of CITRIC ACID & SODIUM CITRATE in our company, There is Access Prevent Program against contamination.

So We JIANGSU-GUOXIN UNION ENERGY CO.,LTD declare our product is organic.

江苏国信协联能源有限公司  
JIANGSU GUOXIN UNION ENERGY CO.,LTD.

白洁  
Bai Jushi QA manager 2019.04



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## INGREDIENT LIST

### To whom it may concern:

The ingredient content is as below:

CITRIC ACID ANHYDROUS 100%

WATER NO MORE THAN 1.0%

 江苏国信协联能源有限公司  
JIANGSU GUOXIN UNION ENERGY CO.,LTD.

2019.07

**SPECIFICATION SHEET****CITRIC ACID USP FCC IV****GENERAL INFORMATION**

|                         |   |
|-------------------------|---|
| <b>Product Code</b>     | F01141  |
| <b>Chemical Name</b>    | Citric acid                                     |
| <b>Chemical Formula</b> | $C_6H_8O_7$ ; CAS # 77-92-9                     |
| <b>Appearance</b>       | White crystalline powder or colourless crystals |
| <b>Manufacturer</b>     | NA  |

**CHEMICAL ANALYSIS**

|                                 | <b>TYPICAL<br/>VALUES</b> | <b>SPECIFICATION<br/>MINIMUM</b> | <b>VALUES<br/>MAXIMUM</b> |
|---------------------------------|---------------------------|----------------------------------|---------------------------|
| Identification                  | Passes test               | ---                              | ---                       |
| Content                         | ---                       | 99.5%                            | 100.5%                    |
| Water                           | ---                       | ---                              | 0.5%                      |
| Readily carbonizable substances | Passes test               | ---                              | ---                       |
| Heavy metals (as Pb)            | ---                       | ---                              | 5 ppm                     |
| Lead                            | ---                       | ---                              | 0.5 ppm                   |
| Oxalates                        | Passes test               | ---                              | ---                       |
| Ignition residue                | ---                       | ---                              | 0.05%                     |
| Tridodecylamine                 | ---                       | ---                              | 0.1 ppm                   |

**ALLERGY INFORMATION**

Allergen information is available upon request. Please contact your Customer Service Representative.

## NUTRITIONAL INFORMATION

|                 |  |
|-----------------|--|
| Salt            | Nil  |
| Sugar           | Nil  |
| Carbohydrates   | Passes test  |
| Protein         | Nil  |
| Fat             | Nil  |
| Potassium       | Nil  |
| Polyunsaturates | Nil  |
| Monounsaturates | Nil  |
| Saturates       | Solubility in water: 1650 g/l at 25°C (as C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> ) |
| Cholesterol     | Nil  |

## MICROBIOLOGICAL INFORMATION

|                       |          |
|-----------------------|----------|
| Standard plate count  | Negative |
| Yeasts and molds      | <100/g   |
| Lactobacillus         | Negative |
| Coliforms             | Negative |
| Escherichia coli      | Negative |
| Salmonella spp        | Negative |
| Staphylococcus aureus | Negative |

## SCREEN ANALYSIS

|         |  |
|---------|--|
| No data |  |
|---------|--|

## MISCELLANEOUS

|   | <b>TYPICAL<br/>VALUES</b> | <b>SPECIFICATION<br/>MINIMUM</b> | <b>VALUES<br/>MAXIMUM</b> |
|---|---------------------------|----------------------------------|---------------------------|
| Ultraviolet radiation absorptivity(PAH) |                           |                                  |                           |
| 280-289 nm                              | 0.25%                     | ---                              | ---                       |
| 290-299 nm                              | 0.20%                     | ---                              | ---                       |
| 300-359 nm                              | 0.13%                     | ---                              | ---                       |
| 360-400 nm                              | 0.03%                     | ---                              | ---                       |
| pH (5%w/v solution)                     | 1.8                       | ---                              | ---                       |

|                                    |            |
|------------------------------------|------------|
| <b>PREPARATION DATE (MM/DD/YY)</b> |            |
| <b>Original</b>                    | 03/05/2002 |
| <b>Revision</b>                    | 05/23/2007 |

PLEASE REFER TO MATERIAL SAFETY DATA SHEET FOR HEALTH & SAFETY AND REGULATORY INFORMATION ON THIS PRODUCT.

THE CHEMICAL DATA PRESENT HEREIN IS A TYPICAL SPECIFICATION ONLY AS PROVIDED BY THE MANUFACTURER. GUARANTEED ANALYSIS IS AVAILABLE ON SPECIFIC CERTIFICATE OF ANALYSIS OR COMPLIANCE AS SUBMITTED BY THE MANUFACTURER.

## QUADRA CHEMICALS LTD.

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Vaudreuil-Dorion (Québec)  
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### Irradiation Statement

#### To whom it may concern:

We, Jiangsu Guoxin Union Energy Co.,ltd hereby certify that our products Citric acid anhydrous & Citric acid monohydrate & Sodium citrate is non-irradiated.

12/20 2018.12.13

江苏国信协联能源有限公司  
JIANGSU GUOXIN UNION ENERGY CO.,LTD

18-6-11 21:46



**NON  
GMO  
Project**

# Product Verification Program

## Non-GMO Compliance Affidavit – Non-Testable Source: MICROORGANISMS *(including but not limited to yeast, algae, microscopic fungi, and bacteria)*

| INPUT INFORMATION    |   |
|----------------------|---|
| Input Name           | Citric Acid Anhydrous                                       |
| Manufacturer Name    | Jiangsu Guoxin Union Energy Co. Ltd.                        |
| Manufacturer Address | No. 1 Redian Rd, Yixing Eco & Tech Dev Zone, Jiangsu, China |

### DECLARATION

I hereby declare the following:

1. The above-named Input, including the microorganism from which it is sourced, is not a product of **Biotechnology** and, therefore, is not a **GMO**, as those terms are defined in the Non-GMO Project Standard v15 and further clarified in subsections (i) and (ii) below.

Definition: **Biotechnology** – the application of:

- a. in vitro nucleic acid techniques, including recombinant deoxyribonucleic acid (DNA) and the direct injection of nucleic acid into cells or organelles; or
- b. fusion of cells beyond the taxonomic family, that overcame natural physiological, reproductive, or recombination barriers and that are not techniques used in traditional breeding and selection.

More specifically, and for the avoidance of doubt,

(i) "**Biotechnology**" includes, as amended by the Project in its sole discretion, transgenic, non-transgenic, and new breeding techniques (**NBT**), including the following: oligonucleotide-directed mutagenesis (**ODM**); zinc finger nuclease (**ZFN**); cisgenesis and intragenesis; agro-infiltration ("sensu stricto" and "floral dip"); RNA interference (**RNAi**); RNA-dependent DNA methylation (**RdDM**) and reverse breeding (**RB**); transcription activator-like effector nucleases (**TALEN**), meganucleases and clustered regularly interspaced short palindromic repeats (**CRISPR**), "synthetic biology", and "gene drive" (each a "**GE Technique**"); and

(ii) "**GMO**" includes any Input that results from or that has been subject to any form of Biotechnology, even if a particular GE Technique did not directly cause any change or mutation to, or otherwise help create the Input (i.e., the mere application of a GE Technique to any Input shall cause such Input to be deemed a product of "**Biotechnology**" and, therefore, a "**GMO**"). (As used herein, "Input" includes, without limitation, any input, ingredient, or product, and the microorganism source therefor.)

2. The following supporting documents are attached (optional):

I represent, warrant, and promise that the statements above are true, accurate, complete, and correct, and that such statements are based on knowledge and/or certainty, and not mere hypothesis or opinion. In addition, I understand that the Non-GMO Project and the Technical Administrator (i.e., evaluator) are relying on the truthfulness, accuracy, completeness, and correctness of such statements in evaluating the above-named input/ingredient for compliance with the Standard.

Authorized Signature: 巴伟时 Date Signed: 2020.3.30

Printed Name: Bar Weishi Title: O/A manager Company: Jiangsu Guoxin Union Energy Co. Ltd.

IF WE BECOME AWARE THAT ANY OF THE STATEMENTS ABOVE ARE INACCURATE, FALSE, INCOMPLETE, INCORRECT, OR BASED ON HYPOTHESIS OR OPINION, WE RESERVE THE RIGHT TO (A) DEEM THE ABOVE-NAMED INPUT/INGREDIENT NON-COMPLIANT WITH THE STANDARD AND, THEREFORE, PROHIBITED FROM BEING USED IN OR AS A, "NON-GMO PROJECT VERIFIED" PRODUCT, AND/OR TERMINATE SUCH PARTICIPANT'S RIGHT TO CONTINUE IN THE PRODUCT VERIFICATION PROGRAM ALL PRODUCTS THAT USE THIS INPUT/INGREDIENT; AND (B) IF A PROGRAM PARTICIPANT IS THE PARTY SIGNING THIS AFFIDAVIT, TERMINATE SUCH PARTICIPANT'S RIGHT TO CONTINUE IN THE PRODUCT VERIFICATION PROGRAM.