

PRODUCT REGULATORY SUMMARY

Citric Acid Anhydrous

MANUFACTURER: JUNGBUNZLAUER

DATE: 04/09/2021

INCI

Citric Acid Anhydrous

COMPOSITION

100% Citric Acid Anhydrous (CAS No. 77-92-9)

ALLERGENS

Citric Acid Anhydrous is not produced using nor expected to contain any of the 26 fragrance allergens listed in Annex III of Regulation (EC) No 1223/2009.

Additionally, Citric Acid Anhydrous is not produced using nor expected to contain any of the common allergens listed below.

- Cereals containing gluten and products thereof
- Crustaceans and products thereof
- Eggs and products thereof
- Fish and products thereof
- Peanuts and products thereof
- Soybeans and products thereof
- Milk and products thereof
- Tree nuts (walnuts, pecans, etc.) and products thereof
- Celery and products thereof
- Mustard and products thereof
- Sesame seeds and products thereof
- Sulfur dioxide and sulfites
- Lupin and products thereof
- Mollusks and products thereof
- Artificial flavors
- Wheat
- Artificial colors
- Safflower
- Sesame
- Sunflower
- Cottonseed
- Poppyseed
- Rice
- Gelatin
- Soy
- Yeast

ANIMAL CONTENT

The origin and source or the raw materials used in the production of Citric Acid Anhydrous are entirely natural or mineral. This product does not contain any raw materials produced from or derived from animal origin. The manufacturing process does not use any ingredient or animal origin nor is the product expected to come into contact with animal products during storage and transportation.

Therefore, we consider Citric Acid Anhydrous to be free of Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE).

ANIMAL TESTING

Barentz North America LLC does not perform, contract, or participate in animal testing with any of our products. Additionally, Citric Acid Anhydrous has not been tested on animals by the manufacturer of this product.

COUNTRY OF ORIGIN

Citric Acid Anhydrous is manufactured in Canada at the below address.

Jungbunzlauer
1555 Elm Street
Port Colborne, Ontario L3K 5V5 Canada

CARCINOGENS, MUTAGENS, TOXIC FOR REPRODUCTION (CMR)

Citric Acid Anhydrous is not expected to contain any carcinogens, mutagens, or toxic for reproduction (CMR) substances outlined within Annex II of Council Directive 76/769/EEC.

FEEDSTOCK ORIGIN

Citric Acid Anhydrous is manufactured by fermentation of sugar into citric acid via the use of the micro-organism *Aspergillus niger*.

FDA STATUS

Barentz North America LLC is registered with the United States FDA and is therefore subject to unannounced FDA compliance inspections.

FOOD GRADE

Jungbunzlauer has a quality management system in place guaranteeing Citric Acid Anhydrous meets the requirements of all essential international food, drug, and other relevant regulations. Citric Acid Anhydrous is manufactured using Good Manufacturing Practices and is safe for its intended use in foods.

A copy of Jungbunzlauer's current ISO 9001 Quality Management System Standards certificate and FSSC 22000 Food Safety Management certificate available upon request.

GLUTEN

Citric Acid Anhydrous does not contain nor is it expected to come into contact with gluten or products containing gluten.

GLOBAL INVENTORY

To the best of our knowledge, Citric Acid Anhydrous, with CAS number 77-92-9, is either exempt from or can be found as a positive listing on the chemical inventories listed below.

- Australia— Australian Inventory of Chemical Substances (AICS)
- Canada — Domestic Substances List (DSL)
- China — Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)
- Europe — European Inventory of Existing Chemical Substances (EINECS)
- New Zealand— New Zealand Inventory (NZIoC)
- The Philippines— Philippine Inventory of Chemicals and Chemical Substances (PICCS)
- South Korea— Korean Existing Chemicals List (KECI)
- Taiwan— Taiwan Chemical Substance Inventory (TCSI)
- United States— Toxic Substances Control Act Inventory (TSCA)

GENETICALLY MODIFIED ORGANISMS (GMO)

Citric Acid Anhydrous is not manufactured using genetically modified organisms and the manufacturing process does not use raw materials or processing aids containing or derived from genetically modified material.

Therefore, Citric Acid Anhydrous should be considered non-Genetically Modified (nGMO).

HALAL

Current certificate available upon request.

HEAVY METALS & ELEMENTAL IMPURITIES

None of the toxic elements—Cadmium, Hexavalent Chromium, Lead, or Mercury—are used as raw materials nor deliberately added during the manufacturing process of the product. With this in mind, Citric Acid Anhydrous is expected to be free from the above-mentioned toxic elements. Any incidental amount would be expected to be less than 100 parts per million (ppm).

KOSHER

Current certificate available upon request.

MELAMINE

Citric Acid Anhydrous is not a source for protein, therefore Citric Acid Anhydrous should not be considered "at risk" for intentional adulteration with melamine. Melamine is not present as an ingredient, sub-ingredient, processing, or present on a production line at the manufacturing facility.

NANOMATERIAL

The use of nanomaterials or nanotechnology is not utilized during the manufacture of Citric Acid Anhydrous.

NUTRITION FACTS

Per 100 grams

| | |
|---------------------|----------------------|
| Total Fat | Not a dietary source |
| Saturated Fat | Not a dietary source |
| Trans Fat | Not a dietary source |
| Cholesterol | Not a dietary source |
| Total Carbohydrates | Not a dietary source |
| Dietary Fiber | Not a dietary source |
| Added Sugars | Not a dietary source |
| Simple Sugars | Not a dietary source |
| Protein | Not a dietary source |
| Vitamin D | Not a dietary source |
| Calcium (mg) | <0.2 |
| Iron (mg) | <0.01 |
| Potassium (mg) | <0.3 |
| Sodium (mg) | <0.3 |
| Calories (kcal) | 300 |

PESTICIDE

The manufacturer of Citric Acid Anhydrous has a pesticide residue program consisting of regular audits of the raw material, used in the production of Citric Acid Anhydrous. These audits ensure that material containing detectable pesticide residue is not being processed.

Based upon historical data from these audits, Jungbunzlauer's finished products do not contain detectable levels of pesticides.

PROPOSITION 65

Citric Acid Anhydrous is not expected to contain any substances known to the State of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under California Proposition 65, Safe Drinking Water and Toxic Enforcement Act of 1986 as of March 19, 2021.

PHTHALATES

Citric Acid Anhydrous and packaging used for this product is not manufactured using phthalates and does not contain phthalates, including, but not limited to, DEHP, DINP, DNOP, DIDP, DBP, and BBP.

REACH REGULATION (EC) No 1907/2006

Citric Acid Anhydrous has been registered in accordance with REACH regulation (EC) No 1907/2006 by the manufacturer of this product.

Please contact your Barentz North America LLC account manager to discuss any need for REACH Only Representative coverage.

SUBSTANCES OF VERY HIGH CONCERN (SVHC)

None of the substances contained in the Candidate List of Substances of Very High Concern (SVHC) as of January 19, 2021 are intentionally used nor added in the manufacture of Citric Acid Anhydrous. Because the presence of the substances in the Candidate List are not expected under normal conditions, the absence has not been checked by tests.

VEGAN

Because Citric Acid Anhydrous is manufactured without the use of any ingredients of animal origin, it is considered vegan friendly.

DISCLAIMER

The information contained in this document is based upon data obtained from the manufacturer. This information is offered only as a guide to the handling of this specific material and conditions. The use and handling of this material may require alternate and additional considerations. No representation or warranty of any kind whatsoever is given or implied by Barentz North America LLC with respect to any information contained herein. In no event or circumstance shall Barentz North America LLC be liable for any damages, losses, liabilities or injuries of any kind whatsoever arising from any information contained herein including, without limitation, all indirect, special or consequential damages or losses which may result from the information contained herein.