

JANUARY 14, 2025



# CALCIUM PROPIONATE FINE FOOD GRADE DATA PACKAGE

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## Letter to Our Customers

Dear Valued Customer,

Over the past few years, Esseco USA has received a significant increase in the number of questionnaires, surveys, and document requests from our customers.

Most of these requests focus on the same product, manufacturing, quality, and safety issues.

Moving forward, we will be unable to complete each customer's specific documentation requests.

In order to respond to all of these varied types of requests, Esseco USA has generated a comprehensive product specific Data Package (Data Pack) that will provide most if not all of the requested information.

We are confident that this Data Pack will ensure that consistent information is provided in a timely and efficient manner. The Data Pack is updated annually to ensure all data is accurate, and additionally the Data Pack will be updated in reaction to major regulatory changes.

Sincerely



Esseco USA Technical Services

All statements, information, and data given herein are believed to be accurate and reliable but are presented without guaranty, warranty, or responsibility of any kind, express or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement, and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required. All suggestions made herein are intended for use by persons having requisite knowledge and skill, and are to be utilized at their own risk. Esseco USA assumes no responsibility for this information, and potential purchasers waive all claims they may have and agree to indemnify and hold harmless Esseco USA from any claims or damages they may later allege relative to their reliance upon these suggestions.

## General

### Product

|      |                               |
|------|-------------------------------|
| Name | Calcium Propionate Food Grade |
| Code | 1CP03E                        |

### Supplier

|          |   |
|----------|---|
| Name     | Esseco USA  |
| Address  | 4 Gatehall Drive, Parsippany, NJ 07054                              |
| Phone    | 973-267-3330  |
| Internet | <a href="https://www.essecousa.com/">https://www.essecousa.com/</a> |

### Manufacturer

|                   |   |
|-------------------|---|
| Name              | Addcon GmbH   |
| Address           | Parsevalstr. 6, Areal D, 06749 Bitterfeld-Wolfen, Germany                               |
| Phone             | +49 3493 96787 00   |
| Internet          | <a href="https://www.addcon.com/index.php/en/">https://www.addcon.com/index.php/en/</a> |
| Country of Origin | Germany   |

## Products Details

### General Information

- Calcium Propionate is manufactured with inorganic raw materials(No plants or organic materials) and is therefore considered a synthetic product

### Product References

- CAS No. (Chemical Abstracts Service): 4075-81-4
- EC No. (European Inventory of Existing Commercial Chemical Substances): 223-795-8
- E No. (EU number for additives): E282
- REACH (Registration, Evaluation, Authorization of Chemicals): registration number 01-2119978298-17 -0000

### Storage

- Store the product in a cool and dry indoor location (humidity and dampness promote oxidation).
- Shelf-life is 3 years from date of manufacture when stored in original container

## Packaging

- The packaging used for the Food grade of Calcium Propionate sold by Esseco USA is suitable for food contact.
- All the Calcium Propionate sold by Esseco USA is produced by Addcon GmbH in Germany and is packaged on pallets that have been heat treated and made from European wood.
- All the Calcium Propionate that is sold in 50 lb bags by Esseco USA has gone through a metal detection device when it was packaged by Addcon GmbH in Bitterfeld-Wolfen, Germany.

## BSE/TSE/GMO

- This is to certify that the Calcium Propionate sold by Esseco USA does not contain any materials that are of organic or animal origin. In addition, it does not come in contact with materials of organic or animal origin in its manufacture. Therefore, it is BSE / TSE compliant and contains no Genetically Modified Organisms (GMO's).

## Composition

| Component          | Percent | CAS Number |
|--------------------|---------|------------|
| Calcium Propionate | 99.0    | 4075-81-4  |
| Moisture           | 1.0     |            |
| Total:             | 100.0   |            |

## Manufacturing

### Process

- The Calcium Propionate is manufactured using a synthetic process.
- This is a batch process in a closed and dedicated plant.
- The raw materials of calcium hydroxide and propionic acid are reacted until sample checks verify the reaction end point has been reached.
- The product is cooled and sieved for storage based on particle size.
- The process is controlled and documented by an electronic control panel with periodic testing and adjustments performed by the operators.
- The product is packaged in a closed and dedicated line, equipped with a metal detector (sensitivity: 1.2 mm of ferrous, non-ferrous, and stainless steel).

### Manufacturing Information

- The product is not treated with ionizing radiation during the production process and is not treated with any ingredient treated with ionizing radiation.
- The product is manufactured using current Good Manufacturing Practices (cGMP).

### Quality System

- The plant maintains a FSSC 22000 Certification from Global Food Safety Initiative(GFSI).
- The plant maintains an ISO 9001:2015 Certification.
- The plant has an FDA registration number of 10089435878.

## Products Not Used in Manufacturing of Product

This product does not contain and hasn't been in contact with the following:

- Bioengineered Ingredients (GMOs)
- Residual Solvents (US & Europe Pharmacopeia Listings)
- Nanometals
- Sewage Sludge

## Food Information

### Food Information

- This product is a substance that is generally recognized as safe (GRAS) per Title 21 of the Code of Federal Regulations Part 184.1221.
- The product is in compliance with all Kosher requirements.
- The product is in compliance with all Halal requirements.
- The product does not contain any ingredients of animal origin or alcohol. Furthermore we can exclude any risk of environmental contamination during manufacture, filling, packing, transportation and storage.
- The Calcium Propionate sold by Esseco USA meets all of the requirements of the US Food and Drug Administration (FDA) Food Safety Modernization Act (FSMA).
- Esseco USA is the importer of record for the Calcium Propionate sold by Esseco USA and has taken all of the necessary steps to be compliant with the United States Food and Drug Administration's Foreign Supplier Verification Program (FSVP) for importers of food for humans and animals.

### Diet Suitability

The product is suitable for:

- Vegans
- Lacto / Ovo-lacto vegetarians
- Diabetics
- Lactose intolerants
- Celiacs

### Microbiological

The Calcium Propionate sold by Esseco USA is routinely tested for Salmonella and was undetected in the most recent tests.

## Nutritional Value

| Unit of Measurement, 100 Grams |        |                 |      |
|--------------------------------|--------|-----------------|------|
| Ash:                           | 30.1 g | Moisture:       | 4 g  |
| Calcium:                       | 0 mg   | Niacin:         | 0 mg |
| Calories:                      | 314    | Phosphorus:     | 0 mg |
| Carbohydrates:                 | 0 g    | Potassium:      | 0 mg |
| Cholesterol:                   | 0 mg   | Protein:        | 0 g  |
| Fat – Saturated:               | 0 g    | Riboflavin:     | 0 mg |
| Fat – Monounsaturated:         | 0 g    | Sodium:         | 0 mg |
| Fat – Polyunsaturated:         | 0 g    | Sugars – Added: | 0 g  |
| Fat – Trans:                   | 0 g    | Sugars – Total: | 0 g  |
| Fat – Total:                   | 0 g    | Thiamine:       | 0 mg |
| Fiber:                         | 0 g    | Vitamin A:      | 0 µg |
| Iron:                          | 0 mg   | Vitamin C:      | 0 µg |
| Magnesium:                     | 0 mg   | Vitamin D       | 0 µg |

## Documents

### Reference Documents

- HACCP Chart
- Allergen Statement
- FSSC 22000 GFSI Certification
- Kosher Certificate
- Halal Certificate
- Nutrition Statement


### Other Documents

- Certified Food Grade Guarantee
- Process Flow Chart
- California Prop 65
- 50 lb Package Label

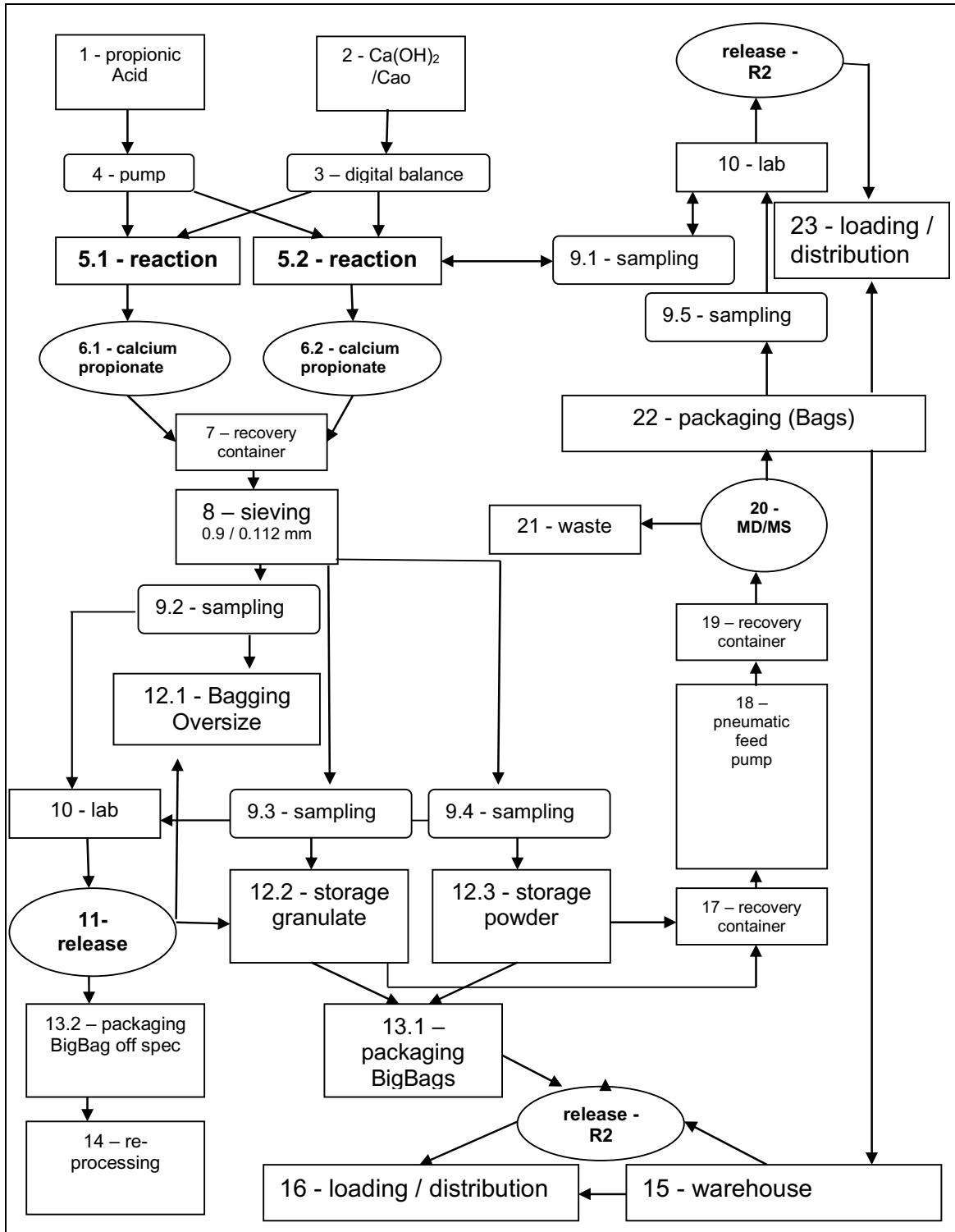



## CALCIUM PROPIONATE DATA PACKAGE REFERENCE DOCUMENTS

|                               |          |
|-------------------------------|----------|
| HACCP Chart                   | Page 2-4 |
| Allergen Statement            | Page 5   |
| FSSC 22000 GFSI Certification | Page 6   |
| Kosher Certificate            | Page 7   |
| Halal Certificate             | Page 8   |
| Nutrition Statement           | Page 9   |

|   |                     |                   |
|---|---------------------|-------------------|
|  | <b>QM-Formblatt</b> |                   |
|   | QM-Dokument         | <b>QMF0702-21</b> |
|   | Version             | 21                |
|   | Datum               | 2021-11-25        |
|   | Autor               | C. Richter (QMB)  |
|   | Freigabe            | D. Brendler (TDF) |

**Production of propionate, calcium salt**  
**Product: ADDCON CalPro**




|   |                     |                   |
|---|---------------------|-------------------|
|  | <b>QM-Formblatt</b> |                   |
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|   | Version             | 21                |
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|   | Autor               | C. Richter (QMB)  |
|   | Freigabe            | D. Brendler (TDF) |

### **Description of the manufacturing process:**

1. As raw materials calcium hydroxide (2) is used, weighted by a digital balance (3) in accordance to the recipe and then conveyed into a horizontal mixer (reactor). Then the reactor is sealed, the mixing process is started and the stepwise addition of propionic acid (1) by a dosage pump (4) begins.
2. The reaction process (5.1/5.2) is continually controlled by the parameters of temperature and pressure inside of the mixer.
3. The end point of the reaction is determined by sample checks (9.1) of the reaction product (pH-value and dry matter content) by the plant operators by sampling product in the reactor.
4. After the reaction the product is conveyed in a second hopper (6.1/6.2) for cooling and as storage for the following sieving process.
5. The fractions of powder and granulate are separated by a vibration sieve (8; granulate 0.112 – 0.9 mm / powder < 0.3 mm) and stored in different silos(12.2/12.3). Between the sieve and the storage silo regularly samples (9.2/9.3/9.4; 24 hours) for chemical analysis and release (R1) by the lab (10) are taken. Oversized particles are bagged (12.1) separately.
6. Released product will be packed into big bags (13.1; 500kg / 1000kg) in accordance to the customer's orders. The main part of the released product will convey in a pipe by a pneumatic feed pump (18) to the packaging line (19). Before the packaging line intake there are (20) a metal detector (detection limit min. 1.2mm) and a metal separator. All packaged product is stored in a warehouse (22) in manipulation prove packaging.
8. A last check (9.5) of the packaged product will be done in the lab (10) for the final release (R2) of delivery (23).

### **Control points:**

|   |                     |                   |
|---|---------------------|-------------------|
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|   | Freigabe            | D. Brendler (TDF) |

CP1: Samples are taken from all raw materials and stored as retained samples for two years.

CP2: Regularly checks and maintenances of the digital balance (3) and pump (4).

CP3: The reaction process is controlled and documented by an electronically control panel.

CP4: End point of reaction checked by pH-value and dry matter content in the lab.

CP5: The sieves of the sieving machine (8) are regularly checked by visual inspection.

CP7: All analyses in the lab (10) are validated standard methods, regularly checks of the analysis equipment is common

CP8: Before the product will be packed, the goods are checked by metal detection and separation (20). Detected product will be checked for the detection cause and then destroyed and disposed. The detection limit for Iron, Non-Ferrous (Brass) and stainless steel (1.4301) particles of the metal detector is min. 1.2mm.

CP9: The released samples from the delivered product will be stored for three years. This is the complete shelf life of the product calcium propionate.

CP10: The loading (16/23) is checked by a check list and released by loader and driver of the truck.

CP11: The packaging of bags (22) takes place by using compressed air. For preventing the entry of undesirable substances an ultrafilter with econometer (Donaldson) is installed. The filter and the econometer are checked monthly.



### **ALLERGENS STATEMENT**

This is to certify that the Fine Crystal Food grade of Calcium Propionate sold by Esseco USA is not processed with, does not come in contact with, and does not contain any of the following known allergens:

Artificial Sweeteners  
Celery  
Colorants  
Dyes  
Egg or Egg Products  
Fish or Fish Products  
Gluten (Wheat, Barley, Rye, or Oats)  
Lactose  
Latex  
Lupin  
Milk or Milk Products  
Monosodium Glutamate (MSG)  
Mustard (or its derivatives)  
Peanuts or Peanut Products  
Preservatives  
Seeds or Seed Products (Buckwheat, Cotton, Poppy, Sesame, or Sunflower)  
Shellfish (Crustacean or Molluscan) or Shellfish Products  
Soy, Soybeans, or Soybean Products  
Sulfur Dioxide/Sulfites  
Tree Nuts or Nut Products (Almond, Brazil, Cashew, Coconut, Hazelnut, Macadamia, Pecan, Pine, Pistachio, or Walnut)  
Wheat or Wheat Products

January 14, 2025

TECHNICAL SERVICE  
Phone: 973 267 3330  
Fax: 973 267 8299

# CERTIFICATE of registration



## The Food Safety Management System of



**ADDCON EUROPE GmbH**

Säurestraße 1, Areal E  
06749 Bitterfeld-Wolfen  
Germany

has been assessed and determined to comply with the requirement of

### **Food Safety System Certification (FSSC) 22000 (Version 5.1)**

Certification scheme for food safety management systems consisting of the following elements: ISO 22000:2018, ISO/TS 22002-1:2009 and Additional FSSC 22000 requirements (version 5.1).

This certificate is applicable for the scope of:

### **Production of calcium propionate for the food and feed industry**

**Food Chain (Sub) Category: K**

Certificate Registration No.: TIC 15 160 19116

Valid until: 2025-12-08


Valid from: 2022-12-09

Initial certification: 2019-12-09

Audit Report No.: 3330 2XUB G0

Certification decision date: 2022-10-14

This certification was conducted in accordance with the TIC auditing and certification procedures and is subject to regular surveillance audits. Expire date of last certification: 2022-12-08.

  
TÜV Thüringen e.V.  
Head of certification body for  
systems and personnel



Issue date: 2022-10-14



Original certificates  
are branded with a hologram



Validity of this certificate can be verified in the FSSC 22000 database of certified organizations available on [www.fssc22000.com](http://www.fssc22000.com).  
The current validity can be demanded also at our homepage [www.tuv-thueringen.de](http://www.tuv-thueringen.de).

Zertifizierungsstelle des TÜV Thüringen e.V. • Ernst-Ruska-Ring 6 • D-07745 Jena • ☎ +49 3641 399740 • ✉ [zertifizierung@tuv-thueringen.de](mailto:zertifizierung@tuv-thueringen.de)

# KOSHER CERTIFICATE

The below listed products manufactured by  
**ADDCON EUROPE GMBH, BITTERFELD, GERMANY**  
are Kosher certified in accordance with the listed restrictions.



## תעודת כשרות

Cert. Id: **PROJ-00006970**  
Issuance date: **2 July 2024**  
Expiry Date: **1 September 2025**  
No. of items: **1** | Page: 1 of 1

| NAME                                     | KOSHER ID  | STATUS          | RESTRICTION |
|--|------------|-----------------|-------------|
| Calciumpropionat E 282 (ADDCONIC CalPro) | UKF0062679 | Parev, Passover |             |



רבי ישראל משה גוטטאג  
Rabbi Yisroel Moshe Guttentag  
Director of Certification



# CERTIFICATE

Page 1 of 1 | Cert.-No.: C-20-60308-02-01



HALAL CONTROL GmbH, 65428 Rüsselsheim am Main, Stahlstraße 44, Germany, Tel.: +49 6142 301987-0, Fax.: -29, <http://www.halalcontrol.eu>, e-mail: [info@halalcontrol.eu](mailto:info@halalcontrol.eu)

**HALAL CONTROL** حلال كنترول  
Halal Certification Body (Germany) شركة لترخيص الحلال  
hereby certifies that the products: تشهد بأن المنتجات أدناه

## Pos Product

001 ADDCON CalPro (Calciumpropionat E282)  
002 ADDCON KTP (Kaliumtetrapropionat)  
003 ADCOTEC LB2  
004 ADCOTEC LB3  
--- ---

manufactured by المصنعة في

**ADDCON EUROPE GmbH**

at the production site Säurestr. 1, Areal E, 06749 Bitterfeld-Wolfen (Germany) في

are Halal. تحقق معايير الحلال

A HALAL CONTROL conformity assessment, documented in an audit report, has verified that the above listed products are complying with the Halal requirements in accordance with the Islamic Law.

Technical notice: The verification and certification have been undertaken according to HALAL CONTROL certification scheme HC-SE-01. The products and the production system are under supervision of HALAL CONTROL.

إن نظام مراقبة الحلال والموثق في تقرير المعاينة قد أثبت أن المنتجات المذكورة أعلاه تحقق معايير الحلال الشرعية. ملاحظة تقنية: إن عملية الفحص والتدقيق تمت طبقاً للنظام رقم 1 للترخيص، المعتمد لدى حلال كنترول. وتقوم شركة حلال كنترول بمراقبة عملية التصنيع والمنتجات.

Category code:

Certificate Registration No.:

Valid from:

Valid until:

K

C-20-60308-02-01

2024-10-08

2026-10-27

رمز الصنف

رقم سجل الشهادة

تبدأ صلاحية الشهادة

وتنتهي صلاحيتها



Mahmoud Tatari  
General Manager

م. محمود ططري  
المدير العام

This Halal certificate has been authorized by the HALAL CONTROL Certification Decision Committee (HC CDC).

HALAL CONTROL is a globally recognized Halal Certification Body (HCB):

OIC/SMIIC (HAK), GCC/GSO (GAC, SASO, SFDA, MOIAT, MOPH), JAKIM, BPJPH, MUIS, CICOT, IMANOR, SANHA and other reputable Halal authorities.

HALAL CONTROL is a member of the World Halal Council (WHC) and Association of Halal Certifiers (AHAC)

\*\*\* Certificate Validity Status: [info@halalcontrol.de](mailto:info@halalcontrol.de) \*\*\*

**NOTE: THIS CERTIFICATE HAS BEEN GENERATED ELECTRONICALLY. WE MAY ISSUE AN ORIGINAL PAPER CERTIFICATE UPON REQUEST.**



### **NUTRITIONAL VALUE OF CALCIUM PROPIONATE**

Unit of Measurement, 100 Grams

|                        |        |
|------------------------|--------|
| Ash:                   | 30.1 g |
| Calories:              | 314    |
| Carbohydrates:         | 0 g    |
| Cholesterol:           | 0 mg   |
| Fat – Saturated:       | 0 g    |
| Fat – Monounsaturated: | 0 g    |
| Fat – Polyunsaturated: | 0 g    |
| Fat – Trans:           | 0 g    |
| Fat – Total:           | 0 g    |
| Fiber:                 | 0 g    |
| Moisture:              | 4 g    |
| Protein:               | 0 g    |
| Sodium:                | 0mg    |
| Sugars – Added:        | 0 g    |
| Sugars – Total:        | 0 g    |

January 14, 2025

TECHNICAL SERVICE  
Phone: 973 267 3330  
Fax: 973 267 8299



## CALCIUM PROPIONATE DATA PACKAGE REFERENCE DOCUMENTS

|                                |        |
|--------------------------------|--------|
| Certified Food Grade Guarantee | Page 2 |
| Process Flow Chart             | Page 3 |
| California Prop 65             | Page 4 |
| 50 lb Package Label            | Page 5 |



**GUARANTEE UNDER SECTION 303 (C) (2) OF THE  
FEDERAL FOOD, DRUG, AND COSMETIC ACT**

FOR THE PURPOSE OF SECTION 303(C) (2) OF THE FEDERAL FOOD AND COSMETIC ACT, WE HEREBY GUARANTEE THAT, AS OF THE DATE OF EACH SHIPMENT BY US TO YOU OF ANY ARTICLE LISTED BELOW SUCH ARTICLE IS NOT, WHEN SHIPPED, ADULTERATED OR MISBRANDED WITHIN THE MEANING OF THE FEDERAL FOOD, DRUG, AND COSMETIC ACT OR OF ANY APPLICABLE STATE LAW IN WHICH THE DEFINITIONS OF ADULTERATION AND MISBRANDING ARE THE SAME AS THOSE CONTAINED IN THE FEDERAL FOOD, DRUG, AND COSMETIC ACT. WE FURTHER GUARANTEE THAT, AS OF THE DATE OF EACH SHIPMENT, NO SUCH ARTICLE IS AN ARTICLE WHICH MAY NOT, UNDER THE PROVISIONS OF SECTION 404 OR 505 OF THE FEDERAL FOOD, DRUG, AND COSMETIC ACT, BE INTRODUCED INTO INTERSTATE COMMERCE.

THIS GUARANTEE SHALL NOT EXTEND TO COVER THE RESPONSIBILITIES OF A DISTRIBUTOR IN SITUATIONS WHERE THE ARTICLE IS TRANSFERRED IN BULK OR IS REPACKAGED. MOREOVER, THIS GUARANTEE SHALL BE VOID AND OF NO EFFECT IN ANY INSTANCE WHERE THE PARTICULAR USE BY YOU OF ANY ARTICLE TO WHICH THIS GUARANTEE WOULD OTHERWISE APPLY IS A USE WHICH IS NOT IN ACCORDANCE WITH THE REQUIREMENTS OF THE FEDERAL FOOD, DRUG, AND COSMETIC ACT OR APPLICABLE STATE LAWS.


THIS GUARANTEE SHALL BE A CONTINUING GUARANTEE AND SHALL CONTINUE IN EFFECT FOR A PERIOD OF FIVE YEARS FROM THE DATE HEREOF, OR UNTIL SUCH EARLIER DATE AS YOU SHALL RECEIVE FROM US WRITTEN NOTICE OF THE REVOCATION OF THE GUARANTEE CONTAINED HEREIN OR A CHANGE IN FEDERAL REGULATION OCCURS.

| PRODUCT            | GRADE             | CODE   |
|--------------------|-------------------|--------|
| CALCIUM PROPIONATE | FINE CRYSTAL FOOD | 1CP03E |

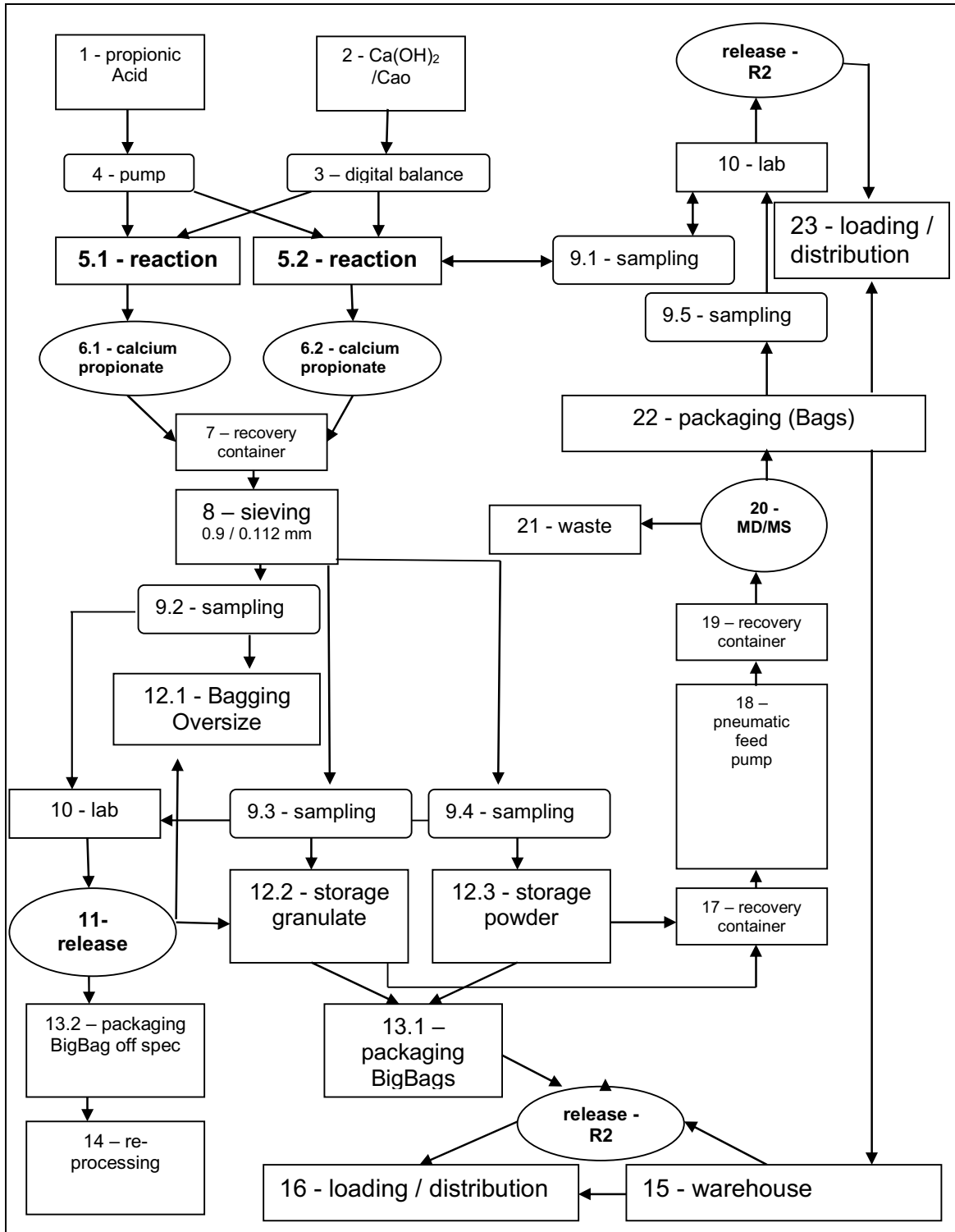
SIGNED: Mina Abdelmalek

TITLE: Technical Sales & Services  
Engineer

DATE: January 14, 2025

|   |                     |                   |
|---|---------------------|-------------------|
|  | <b>QM-Formblatt</b> |                   |
|   | QM-Dokument         | <b>QMF0702-21</b> |
|   | Version             | 21                |
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|   | Autor               | C. Richter (QMB)  |
|   | Freigabe            | D. Brendler (TDF) |

**Production of propionate, calcium salt**  
**Product: ADDCON CalPro**





### **CALIFORNIA PROPOSITION 65 STATEMENT**

The calcium propionate sold by Esseco USA is not included in the December 18, 2020 listing of chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

January 14, 2025

TECHNICAL SERVICE  
Phone: 973 267 3330  
Fax: 973 267 8299

Jessica Huhn



106157 ADDCON Europe GmbH, Bitterfeld  
ADDCON Calium Propionate, CalPro // 14201143

**Format:** (HD, VB/GB) 500 x 580 x 130

|                   |                   |
|-------------------|-------------------|
| <b>Farben HD:</b> | <b>Farben BD:</b> |
|-------------------|-------------------|

|                   |
|-------------------|
| Deckblatt:        |
| 1. Schwarz HKS 88 |
| 2.                |
| 3.                |
| 4.                |
| 5.                |
| 6.                |
| 7.                |
| 8.                |

|             |      |        |                        |
|-------------|------|--------|------------------------|
| Hauptdruck: | 2,84 | RW: 26 | Abschnittlänge: 740 mm |
|-------------|------|--------|------------------------|

|     |     |                        |
|-----|-----|------------------------|
| GB: | RW: | Abschnittlänge: 390 mm |
|-----|-----|------------------------|

|     |  |     |                 |
|-----|--|-----|-----------------|
| VB: |  | RW: | Abschnittlänge: |
|-----|--|-----|-----------------|

Boden Vordruck:

Abzug ist nicht farbverbindlich!  
Not a true representation of colour!

