

MAY 13, 2025



POTASSIUM BICARBONATE **FFQ**  
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	Potassium Bicarbonate
Code	1KB03E

### 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	Esseco Srl
Address	Via San Cassiano 99, San Martino di Trecate, Novara 28069, Italy
Phone	+39 0321 7901
Internet	<a href="http://www.esseco.com/en/">www.esseco.com/en/</a>
Country of Origin	Italy

## Products Details

### General Information

- Potassium Bicarbonate 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): 298-14-6
- EINECS (European Inventory of Existing Commercial Chemical Substances): 206-059-0
- E No. (EU number for additives): E501 (ii)
- REACH (Registration, Evaluation, Authorization of Chemicals): registration number 01-2119532640-48-0007

### Storage

- Store the product in a cool and dry indoor location, s, away from direct heat or sunlight. Product decomposes, developing carbon dioxide and water vapor, if exposure to high temperature (100°C and over).
- Shelf-life is 2 years from date of manufacture when stored in original container

### Compliance

- Regulation (EU) No 231/2012 (food additives)
- FCC XIII (2022)
- USP-NF

### Packaging

- The packaging used for the Potassium Bicarbonate Food Grade sold by Essecos USA is suitable for food contact, this includes both 50 lb bags and various supersack sizes.
- All the Potassium Bicarbonate sold by Essecos USA is produced by Essecos srl in Italy and is packaged on pallets that have been heat treated and made from European wood. No fungicides including 2,4,6 tribromophenol (TBP) or 2,4,6 trichlorophenol (TCP) are used on any pallets for this product.
- All the Potassium Bicarbonate that is sold in 50 lb bags by Essecos USA has gone through a metal detection device when it was packaged by Essecos Srl in Trecate, Italy.

### Contaminants

- The Potassium Bicarbonate Food Grade sold by Essecos USA meets all of the product specification requirements. The product may at times contain very small quantities of off-color yellow, gray, brown, or black particulates. These particulate contaminants are technically unavoidable due to current raw materials, equipment, and manufacturing technology utilized to produce and package the product.

### Residual

- The Potassium Bicarbonate Food Grade sold by Essecos USA does not contain any of the solvents listed in the United States Pharmacopeia general chapter <467> (Class 1, Class 2,

Class 3, or other Table 4), the European Pharmacopeia, or the International Conference on Harmonization of Technical Requirements for Registration of Pharmaceuticals for Human Consumption (ICH) Residual Solvent (OVI) Lists. In addition, it does not contain any other organic solvents.

#### Cosmetics

- The Potassium Bicarbonate Food Grade sold by Esseco USA does not contain any of the substances which have been classified as carcinogenic, mutagenic or toxic for reproduction (CMR) of category 1A, category 1B or category 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008 (CMR substances).
- The Potassium Bicarbonate Food Grade sold by Esseco USA complies with Cosmetic Regulation (EC) No 1223/2009.
- The Potassium Bicarbonate Food Grade sold by Esseco USA does not contain any added fragrances.

#### BSE/TSE/GMO

- This is to certify that the Potassium Bicarbonate Food Grade 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
Potassium Bicarbonate	98	298-14-6
Total:	100.0	

## Manufacturing

### Site Information

- Size of Site 1,800,000 sq ft
- Total Employees 230 (approx)
- Production Staff 55
- Quality Unit Staff 8
- Quality Assurance Staff 4

### Process

- The Potassium Bicarbonate food grade is manufactured using a synthetic process.
- This is a continuous process in a closed and dedicated plant by reaction of carbon dioxide and potassium hydroxide; crystallization and drying of the salt.
- Process is controlled by a completely automatic system with periodic IPCs performed by the operators.
- The product is packaged in a closed and dedicated line, equipped with a metal detector (sensitivity: 2.5 mm of ferrous, non-ferrous, and stainless steel).
- Entire production complies with GMP requirements defined in Food Chemical Codex and International Pharmaceutical Excipients Council.

### 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 10290799032.

### Lot Numbering System

- Numbering System Explanation

The first two numbers designate the year of manufacture.

The following three numbers designate the Julian calendar day.

The last number designates the bin that the product was packaged from.

- Example for Lot Number 200255

20 - Year of Manufacture, 2020

025 - Julian day of calendar Year, January 25

5 - Product was packaged out of bin 5

### Products Not Used in Manufacturing of Product

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

## POTASSIUM BICARBONATE FOOD GRADE DATA PACKAGE

- Aldehydes
- Bioengineered Ingredients (GMOs)
- Bisphenol A
- Bromate
- Diacetyl
- Dioxin
- Ethylene Oxide
- Formaldehyde
- Graphite
- Halogenate chemicals
- Jatropha Plant
- Latex
- Melamine
- Metal Catalysts
- Mycotoxins
- Nanometals
- Nitrosamines
- Nonylphenol ethoxylates or alkylphenols
- Palm oil or palm oil derivatives
- Parabens – Butylparben or Propylparaben
- Partially hydrogenated oils
- Polychlorinated biphenyl or Polybrominated biphenyl
- Perfluoroalkyl and Polyfluoroalkyl
- Perfluorohexane sulfonic acid
- Pesticides
- Phenols
- Phthalates or esters
- Residual Solvents (US & Europe Pharmacopeia Listings)
- Quaternary ammonium compounds
- Sewage Sludge
- Toluene
- Triclosan
- VOC

### Additional Site Information

- Pest activity is checked 12 times per year by specialized external firm (Rentokil Srl).

## 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 184.1613.
- 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 Potassium Bicarbonate Food Grade 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 Potassium Bicarbonate Food Grade 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 Potassium Bicarbonate sold by Esseco USA is an **inorganic salt**; we do not expect any **developing risk of microorganisms and micotoxins formation or contamination**. The product will not support growth of the following:

- Aflatoxins
- Mycotoxins
- Pathogens

## Nutritional Value

Constituents (per 100 gm)	Unit	Quantity
Alcohol	gm	zero
Ash	gm	47.0
Biotin	mg	zero
Calcium	mg	trace
Carbohydrate – Available/Total	gm	zero
Dietary Fibre (Englyst)	gm	zero
Energy	Kcal/Kj	zero
Fat	gm	zero
Mono/Polyunsaturated; Saturated; Trans and Total	gm	zero
Folic Acid (Total)	µg	zero
Iodine	µg	zero
Iron	mg	<1
Magnesium	mg	trace
Moisture	gm	trace
Niacin	mg	zero
Nitrogen	gm	<1
Pantothenic Acid	mg	zero
Phosphorous	mg	zero
Polyols – Added (if >5%)	%	zero
Potassium	mg	39000
Protein – state factor used	gm	zero
Salt – Added/Total	gm	zero
Sodium	mg	~500
Sugars – Added/Total	gm	zero
Vitamins (Retinol Vit.A; Thiamin Vit.B1; Riboflavin Vit.B2; Vit.B6; Vit.B12; Vit.C; Vit.D; Vit.E)	mg	zero
Zinc	mg	zero

## Documents

### Reference Documents

- ISO 9001:2015 Quality Management System
- HACCP Chart
- Allergen Statement
- FSSC 22000 GFSI Certification
- Kosher Certificate
- Halal Certificate
- Nutrition Statement

### Other Documents

- Certified Food Grade Guarantee
- Process Flow Chart
- Organizational Chart
- Bioterrorism Statement
- California Prop 65
- 50 LB Package Label
- Supersack Label



## **POTASSIUM BICARBONATE FOOD GRADE DATA PACKAGE REFERENCE DOCUMENTS**

ISO 9001:2015 Quality Management System	Page 2
HACCP Chart	Page <b>3-6</b>
Allergen Statement	Page 7
FSSC 22000 GFSI Certification	Page <b>8</b>
Kosher Certificate	Page <b>9</b>
Halal Certificate	Page <b>10</b>
Nutrition Statement	Page <b>11</b>

# CERTIFICATO DI SISTEMA DI GESTIONE

Certificato n.:  
C670923

Data Prima Emissione:  
10 giugno 1994  
(da differente Organismo di Certificazione)

Validità:  
18 marzo 2024 – 08 giugno 2026

Si certifica che il sistema di gestione di

**ESSECO S.r.l.**

Via San Cassiano, 99 - 28069 San Martino di Trecate (NO) - Italia

È conforme allo Standard:

**ISO 9001:2015**

Questa certificazione è valida per il seguente campo applicativo:

**Sviluppo, produzione, analisi di laboratorio, vendita e commercializzazione di: prodotti chimici per l'industria e per l'agricoltura; additivi e coadiuvanti per il settore enologico e per l'industria alimentare. Produzione, stoccaggio e vendita deicer (sghiacciante per pista aeroporti) e sodio idrosolfato.**  
**(IAF 12, 03)**

Luogo e Data:  
Vimercate (MB), 18 marzo 2024



SGQ N° 003 A  
SGA N° 003 D  
SGE N° 007 M  
SCR N° 004 F

EMAS N° 009 P  
PRD N° 003 B  
PRS N° 094 C  
SSI N° 002 G

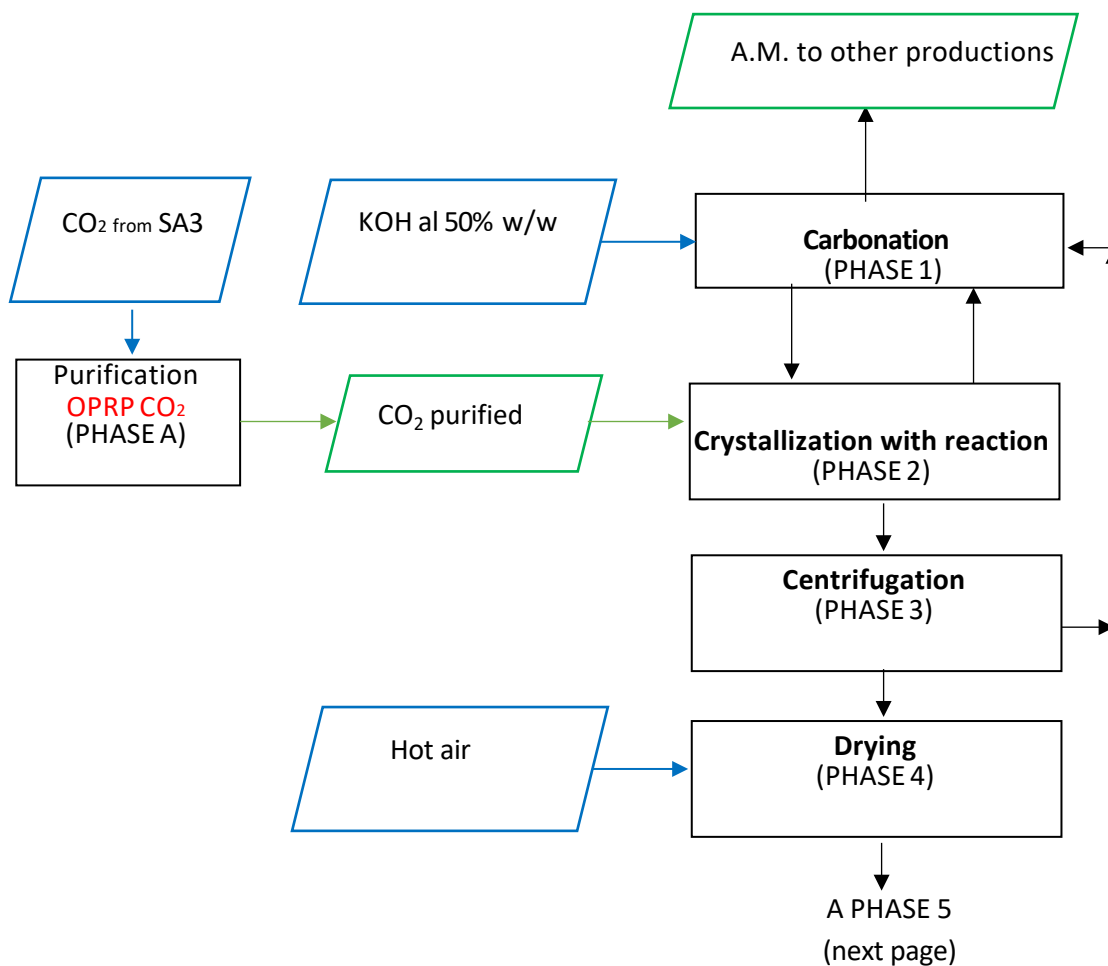
Membro di MLA EA per gli schemi di accreditamento  
SGQ, SGA, PRD, PRS, ISP, GIG, LAB e LAT, di MLA IAF  
per gli schemi di accreditamento SGQ, SGA, SSI, FSM  
e PRD e di MRA ILAC per gli schemi di accreditamento  
LAB, MED, LAT e ISP

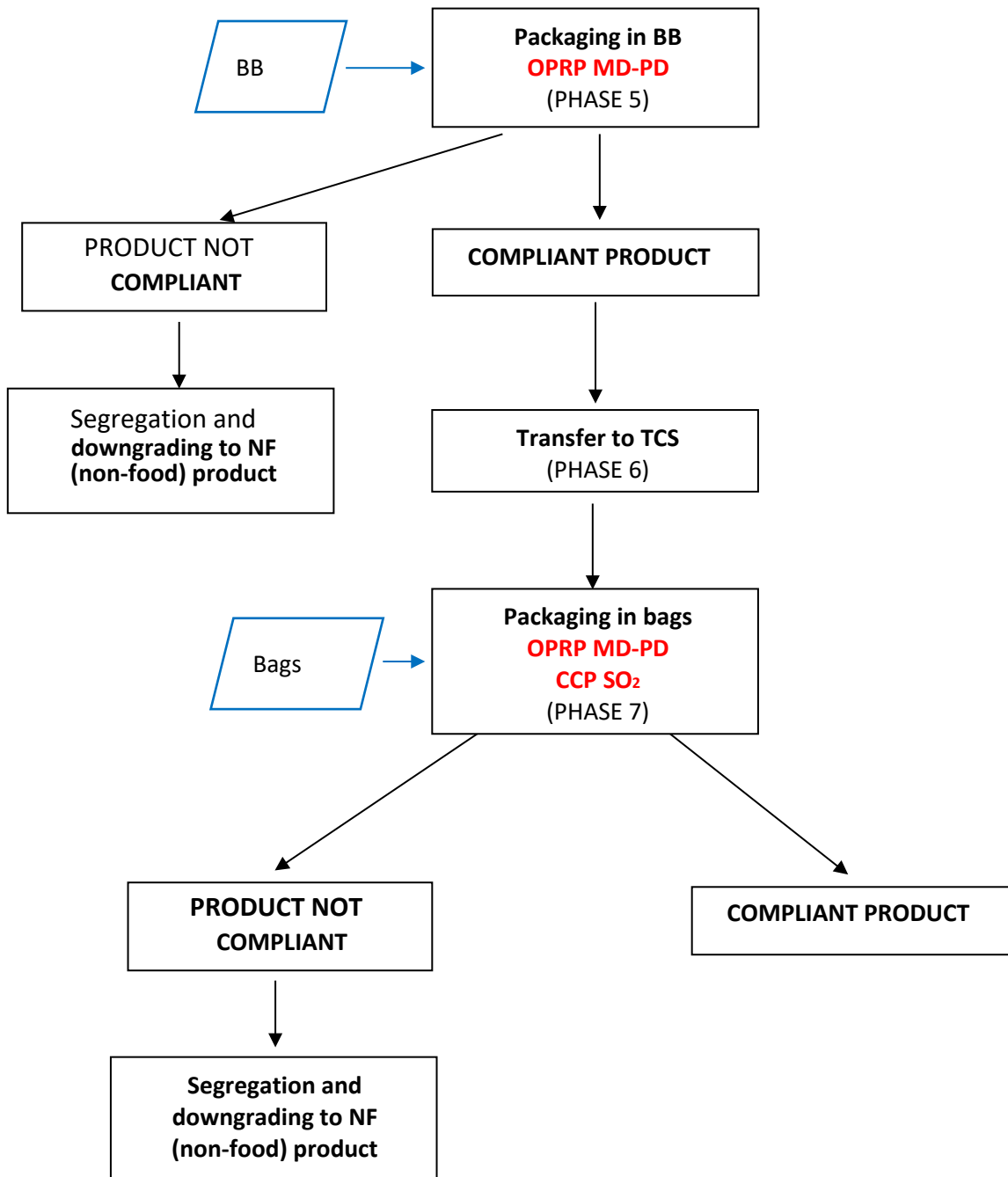
Per l'Organismo di Certificazione:  
**DNV - Business Assurance**  
Via Energy Park, 14, - 20871 Vimercate (MB) -  
Italy



**Claudia Baroncini**  
Management Representative

## Flowchart





A.M. = mother waters

PHASE DESCRIPTION, HAZARD ANALYSIS AND CONTROL MEASURES

PHASE	POTENTIAL HAZARD (C) Chemical (M) Microbiological (P) Particular	LEVEL OF ACCEPTABLE'	RISK ANALYSIS			Is it necessary to prevent the danger for product safety?	DECISION TREE					CCP of OPRP	CONTROL MECHANISM (GMP / CCP / OPRP)
			GD	P	GR		D1	D2	D3	D4	D5		
A	(C) Allergen contamination	Absence of sulfur dioxide	4	3	12	YES	YES	YES	YES	YES	/	OPRP	<b>OPRP CO<sub>2</sub></b>
1	(C) Chemical quality of purchased raw materials	Absence of impurities beyond the limits of the R.Q.											GMP. Approval procedures suppliers and raw material control. The danger is controlled through approval of suppliers and controls of each batch and statistics of the products
	(C) Chemical quality of steam in case of contact	Absence of impurities transferable to the product											GMP. Chemical hazard is controlled by applying steam production process control procedures
2	/												
3	/												
4	(C) Chemical quality of steam in case of contact	Absence of impurities transferable to the product											GMP. Chemical hazard is controlled by applying steam production process control procedures
	(P) Contamination from the environment	Absence of contamination											GMP. Atmospheric air filters are subjected to scheduled checks
5	(P) Presence of coarse parts of the plant	2.5 mm	3	3	9	YES	YES	YES	YES	YES	NO	OPRP	<b>OPRP MD-PD (metal detector)</b>
	(C) (P) (M) Cross contamination from packaging to product	Absence of contamination											GMP. Hygienic storage of packaging as per instructions
6	/												

7	(C) contamination from previous packaged product if containing allergen for non-dedicated plant	SO <sub>2</sub> < 10 mg/kg	4	3	12	YES	YES	YES	YES	YES	YES	CCP	<b>CCP SO<sub>2</sub> (allergen)</b>
	(C) contamination from previous packaged product (not containing allergens) for non-dedicated plant	Absence of contamination											GMP. Contamination is prevented by applying appropriate remediation procedures described in the operating manual (salt change)
	(P) The salt is transferred via a bucket elevator made of plastic material suitable for contact with food, whose wear could cause small parts. Presence of small parts from wear bucket elevator	Absence of particle contamination											GMP: The elevator buckets are subjected to periodic checks to verify their integrity and preventive replacement
	(P) Presence of coarse parts of the plant	2,5 mm	3	3	9	YES	YES	YES	YES	YES	NO	OPRP	<b>OPRP MD-PD (metal detector)</b>
	(C) (P) (M) Cross contamination from packaging to product	Absence of contamination											GMP. Store packaging as per instructions





+1 (973) 267-3330  
essecousa.com  
info@essecousa.com

Date: January 13, 2025

ALLERGENS STATEMENT

**Product:** Food grade of Potassium Bicarbonate

To Whom it May Concern:

We hereby declare that the food grade of Potassium Bicarbonate 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

Tree Nuts or Nut Products (Almond, Brazil, Cashew, Coconut, Hazelnut, Macadamia, Pecan, Pine, Pistachio, or Walnut)

Wheat or Wheat Products

We hope that this information is useful to you. If you have any questions or require additional information, please feel free to contact us.

Sincerely,

*Mina Abdelmalek*

Mina Abdelmalek

Esseco USA

[Essecousa.com](http://Essecousa.com)

Disclaimer: The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we assume no obligation, expressed or implied, or liability for the use of or reliance on the information and data provided. The information is furnished upon the condition that the person receiving it shall make their own determination of the suitability of the material for their particular purpose.

# MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:  
C671026  
COID Code:  
ITA-1-0253-225461

Initial certification date:  
20 March 2024

Valid:  
16 November 2024 – 15 November 2027

This is to certify that the Food Safety Management System of

**ESSECO S.r.l.**

Via San Cassiano, 99 - 28069 San Martino di Trecate (NO) - Italy

has been assessed and determined to comply with the requirements of

**FSSC 22000**

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 6).

This certificate is applicable for the scope of:

**Production (including synthesis processes, dissolving, drying, filtering, mixing) and packaging in pouches, cans, jars, bags and big-bags of additives and technological adjuvant for the oenological and food sectors. Category K**

Date of Certification Decision:  
**07 July 2024**

Date of the last unannounced audit:  
**08 February 2023**

Issue Date / Place and date:  
**Vimercate (MB), 11 July 2024**



**MS N°0003**

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC. Signatory of EA, IAF and ILAC Mutual Recognition Agreements

For the issuing office:  
**DNV Business Assurance Italy S.r.l.**  
Via Energy Park, 14, - 20871 Vimercate (MB) - Italy

DNV:



FSSC:



**Sabrina Bianchini**  
Management Representative



Badatz Mehadrin Milano

Rabbi Avraham Hazan  
Rabbinic Administrator, CEO  
R' Betzael Schutz  
Technical Director

בד"צ מהדרין מילאנו

בס"ד

Rabbi Menachem Mendel Kaplan  
Rabbi Levi Yitzchok Hazan  
Rabbi Yosef Yitzchak Labi  
Rabbi Menachem Mendel Springer

# Kosher Certification – Passover

Milan 10 Adar 5785  
March 10, 2025

Spett.  
Esseco Srl  
Via S. Cassiano, 99  
28069 S. Martino di Trecate (NO)

PAGE 1 OF 2

To the attention of the **Supervising Rabbi / Kashruth Agency**

אלה ורבי

This is to certify that the following products:

- ANIDRIDE SOLFOROSA LIQUIDA / LIQUID SULPHUR DIOXIDE
- MISCELA DI POTASSIO METABISOLFITO EFFERVESCENTE  
EFFERVESCENT POTASSIUM METABISULPHITE BLEND
- POTASSIO METABISOLFITO / POTASSIUM METABISULPHITE
- POTASSIO BISOLFITO SOLUZIONE / POTASSIUM BISULPHITE SOLUTION
- AMMONIO BISOLFITO SOLUZIONE / AMMONIUM BISULPHITE SOLUTION
- MISCELA DI TANNINO CONDENSATO ESTRATTO DA LEGNO DI SPECIE ESOTICHE, CASTAGNO E TARA  
CONDENSED TANNIN BLEND EXTRACTED FROM WOOD OF EXOTIC SPECIES, CHESTNUT AND TARA
- MISCELA DI TANNINI ELLAGICI / ELLAGIC TANNIN BLEND
- MISCELA DI TANNINI GALLICI E CONDENSATI / GALLIC AND CONDENSED TANNIN BLEND
- TANNINO CONDENSATO / CONDENSED TANNIN
- TANNINO ELLAGICO / ELLAGIC TANNIN
- TANNINO GALLICO / GALLIC TANNIN
- MISCELA DI PARAFFINA, CERA E CALCIO CARBONATO / BLEND OF PARAFFIN, WAX AND CALCIUM CARBONATE.
- MISCELA DI POTASSIO METABISOLFITO E TANNINO / SOLUTION OF POTASSIUM METABISULPHITE AND TANNIN

produced by **Esseco Srl**, S. Martino di Trecate (NO), Italy,

are **Kosher Parve for Passover**

החומר נמצא תחת פיקוח

under our supervision,

**Badatz Mehadrin Milan, Italy, Kashruth Division.**

This certificate is valid until **March 31, 2026**  
and is subject to renewal at that time.

ג' ניסן תשפ"ו

Our best regards,  
**Rabbi Avraham Hazan**



החומר נמצא תחת פיקוח  
החומר נמצא תחת פיקוח  
החומר נמצא תחת פיקוח





Badatz Mehadrin Milano

Rabbi Avraham Hazan  
Rabbinic Administrator, CEO  
R' Betzalel Schutz  
Technical Director

Rabbi Menachem Mendel Kaplan  
Rabbi Levi Yitzchok Hazan  
Rabbi Yosef Yitzchak Labi  
Rabbi Menachem Mendel Springer

בד"צ מהדרין מילאנו

בס"ד

# Kosher Certification – Passover

Milan 10 Adar 5785  
March 10, 2025

Spett.  
Esseco Srl  
Via S. Cassiano, 99  
28069 S. Martino di Trecate (NO)

PAGE 2 OF 2

To the attention of the **Supervising Rabbi / Kashruth Agency**

*לחם ארץ*

This is to certify that the following products:

- SOLUZIONE GOMMA ARABICA (SEYAL) / ARABIC GUM SOLUTION (SEYAL)
- SOLUZIONE GOMMA ARABICA (VEREK) / ARABIC GUM SOLUTION (VEREK)
- ACIDO METATARTARICO / METATARTARIC ACID
- SODIO BISOLFITO SOLUZIONE / SODIUM BISULPHITE SOLUTION
- SODIO METABISOLFITO / SODIUM METABISULPHITE
- SODIO SOLFITO ANIDRO / SODIUM SULPHITE ANHYDROUS
- SODIO TIOSOLFATO / SODIUM THIOSULPHATE
- SODIO TIOSOLFATO SOLUZIONE / SODIUM THIOSULPHATE SOLUTION
- MAGNESIO BISOLFITO SOLUZIONE / MAGNESIUM BISULPHITE SOLUTION
- AMMONIO BICARBONATO / AMMONIUM BICARBONATE
- AMMONIO BISOLFITO SOLUZIONE / AMMONIUM BISULPHITE SOLUTION
- POTASSIO CARBONATO SOLUZIONE / POTASSIUM CARBONATE SOLUTION
- POTASSIO BICARBONATO / POTASSIUM BICARBONATE

produced by **Esseco Srl**, S. Martino di Trecate (NO), Italy,

are *לחם ארץ* **Kosher Parve for Passover** under our supervision,

**Badatz Mehadrin Milan, Italy, Kashruth Division.**

This certificate is valid until **March 31, 2026**  
and is subject to renewal at that time.

*ג' ניסן תשפ"ה*

Our best regards,  
**Rabbi Avraham Hazan**



*לחם ארץ*  
*מאגר לחם*  
*מילאנו*



# CERTIFICATION OF HALAL PRODUCT

CERTIFICAZIONE DI PRODOTTO HALAL / شهادة المطابقة لمنتوج حلال

Issued by Halal Italia, the Italian organization for Islamic certification

Rilasciato da Halal Italia, l'ente italiano per la certificazione islamica

مسلمة من حلال إيطاليا المؤسسة الإيطالية لشهادة الإسلامية

CERTIFICATE N° / CERTIFICATO N° / شهادة رقم

28/4/2025

1154

COMPANY / AZIENDA / الشركة

Esseco S.r.l.

Via San Cassiano, 99 - 28069 San Martino di Trecate (NO) - Italy

ADDRESS OF THE PRODUCTION SITE / INDIRIZZO DEL SITO PRODUTTIVO / عنوان موقع الإنتاج

Via San Cassiano, 99 - 28069 San Martino di Trecate (NO) - Italy

COMMODITY TRADEMARK / MARCHIO COMMERCIALE DEL PRODOTTO / العلامة التجارية للمنتوج

ESSECO

PRODUCT / PRODOTTO / المنتج

**Food Additive**

SODIO METABISOLFITO / SODIUM METABISULFITE

SODIO SOLFITO / SODIUM SULFITE

SODIO BISOLFITO SOLUZIONE / SODIUM BISULFITE SOLUTION

ANIDRIDE SOLFOROSA / SULFUR DIOXIDE

AMMONIO BICARBONATO / AMMONIUM BICARBONATE

POTASSIO METABISOLFITO / POTASSIUM METABISULFITE

POTASSIO BICARBONATO/POTASSIUM BICARBONATE

POTASSIO CARBONATO SOLUZIONE / POTASSIUM CARBONATE

SOLUTION

**Food Adjuvant**

AMMONIO BISOLFITO SOLUZIONE / AMMONIUM BISULFITE SOLUTION

SULFIMAG HFS / SULFIMAG HFS

IT IS COMPLIANT TO THE FOLLOWING HALAL CERTIFICATION STANDARDS  
È CONFORME AI SEGUENTI STANDARD DI CERTIFICAZIONE HALAL

موافيق لمعايير شهادة الحلال التالية

COREIS DTP HLL 02, UAE.S 2055-1, GSO 2055-1, OIC/SMIIC 1, MS 1500, MUIS SMHS, SJPH Indonesia

DATE FIRST ISSUE

DATA PRIMA EMISSIONE

تاريخ الإصدار الأول

28 / 4 / 2025

DATE PRESENT ISSUE

DATA EMISSIONE CORRENTE

تاريخ الإصدار الحالي

28 / 4 / 2025

CERTIFICATE EXPIRY DATE

DATA SCADENZA CERTIFICATO

تاريخ إنتهاء الشهادة

27 / 4 / 2026

Hamid Roberto Distefano

CEO Halal Italia / Amministratore Delegato Halal Italia / رئيس شركة حلال إيطاليا





Date: February 24, 2025

NUTRITIONAL VALUE STATEMENT  
Product: POTASSIUM BICARBONATE

To Whom it May Concern:

We hereby declare that the food grade Potassium Bicarbonate sold by Esseco USA has the following nutritional value:

Constituents (per 100 gm)	Unit	Quantity
Alcohol	gm	zero
Ash	gm	47.0
Biotin	mg	zero
Calcium	mg	trace
Carbohydrate – Available/Total	gm	zero
Dietary Fibre (Englyst)	gm	zero
Energy	Kcal/Kj	zero
Fat	gm	zero
Mono/Polyunsaturated; Saturated; Trans and Total		
Folic Acid (Total)	µg	zero
Iodine	µg	zero
Iron	mg	<1
Magnesium	mg	trace
Moisture	gm	trace
Niacin	mg	zero
Nitrogen	gm	<1
Pantothenic Acid	mg	zero
Phosphorous	mg	zero
Polyols – Added (if >5%)	%	zero
Potassium	mg	39000
Protein – state factor used	gm	zero
Salt – Added/Total	gm	zero
Sodium	mg	~500
Sugars – Added/Total	gm	zero
Vitamins (Retinol Vit.A; Thiamin Vit.B1; Riboflavin Vit.B2; Vit.B6; Vit.B12; Vit.C; Vit.D; Vit.E)	mg	zero
Zinc	mg	zero

We hope that this information is useful to you. If you have any questions or require additional information, please feel free to contact us.

Sincerely,

A handwritten signature in black ink that reads 'Mina Abdelmalek'.

Mina Abdelmalek

Esseco USA

[Essecousa.com](http://Essecousa.com)

Disclaimer: The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we assume no obligation, expressed or implied, or liability for the use of or reliance on the information and data provided. The information is furnished upon the condition that the person receiving it shall make their own determination of the suitability of the material for their particular purpose.



## **POTASSIUM BICARBONATE FOOD GRADE DATA PACKAGE REFERENCE DOCUMENTS**

Certified Food Grade Guarantee	Page 2
Process Flow Chart	Page 3
Organizational Chart	Page 4
Bioterrorism Statement	Page 5
California Prop 65	Page 6
50 LB Package Label	Page 7



+1 (973) 267-3330  
essecousa.com  
info@essecousa.com

Date: January 29, 2025

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 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
POTASSIUM BICARBONATE	FOOD	1KB03E

We hope that this information is useful to you. If you have any questions or require additional information, please feel free to contact us.

Sincerely,

*Mina Abdelmalek*

**Mina Abdelmalek**

Technical Service and Sales

**Esseco USA**

[Essecousa.com](http://Essecousa.com)



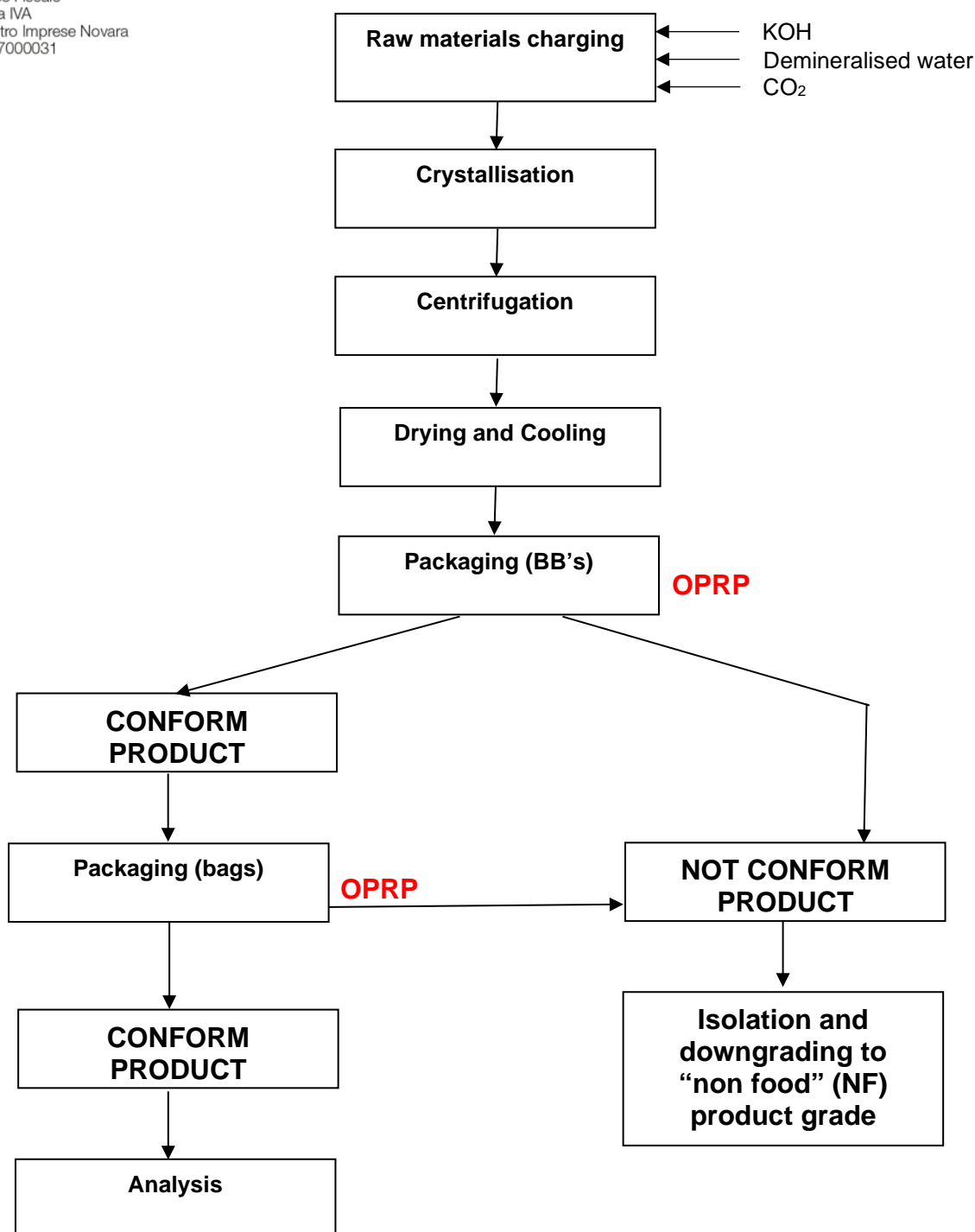
**ESSECO**

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 Società Unipersonale  
 Sede Legale e Stabilimento  
 Via S. Cassiano, 99  
 San Martino  
 28069 Trecate (NO) Italia  
 Tel. +39 0321.790.1  
 Fax +39 0321.790.207  
 Stabilimento secondario  
 Via Cantarana, 49  
 27043 San Cipriano Po (PV) Italia  
 Tel. +39 0385.241.700  
 Deposito  
 Decima strada ang. Quinta Strada  
 09032 Assemini (CA) Italia  
 esseco@esseco.it  
 www.esseco.com  
 Cap. Soc. Euro 10.000.000 i.v.  
 R.E.A. 142984 – Novara  
 Codice Fiscale  
 Partita IVA  
 Registro Imprese Novara  
 01027000031



## Manufacturing Flow Sheet HACCP

### Potassium Bicarbonate FFQ (food grade)



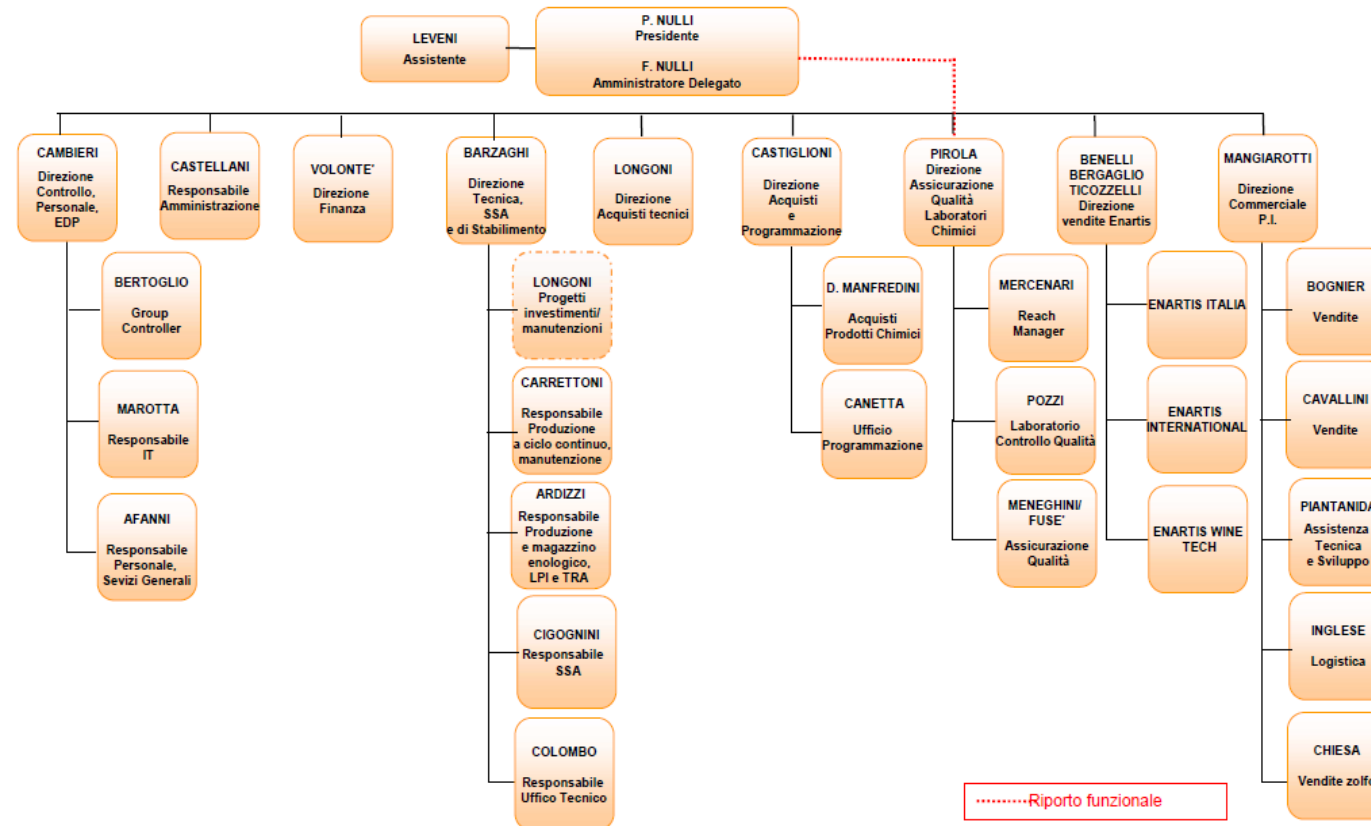
# ESSECO GROUP OVERVIEW

## TRECCATE PLANT

### ORGANIGRAMMA

ESSECO srl

luglio 2021





To Whom It May Concern:

Thank you for your recent inquiry about our compliance with the FDA regulations related to the Public Health Security and Bioterrorism Preparedness and Response Act of 2002 (The Bioterrorism Act).

The events of September 11, 2001, highlighted the need to enhance the security of the infrastructure of the United States, including the food supply. Congress responded by enacting the Bioterrorism Act (Public Law 107-188), which was signed into law on June 12, 2002. The Bioterrorism Act includes a provision in Title III (Protecting Safety and Security of Food and Drug Supply), Subtitle A – Protection of Food Supply, Section 305, which requires the Secretary of Health and Human Services to develop a regulation to require domestic and foreign facilities that manufacture, process, pack, or hold food for consumption in the United States to register with FDA by December 12, 2003. Esseco USA LLC is in full compliance with Section 305.

The Bioterrorism Act also includes a provision in Title III (Protecting Safety and Security of Food and Drug Supply), Subtitle A – Protection of Food Supply, Section 307, which requires the Secretary of Health and Human Services to develop a regulation to require that FDA receive prior notice for food imported or offered for import into the United States. Esseco USA LLC is in full compliance with Section 307.

Finally, The Bioterrorism Act includes a provision in Title III (Protecting Safety and Security of Food and Drug Supply), Subtitle A – Protection of Food Supply, Section 306, which requires the Secretary of Health and Human Services to develop a regulation to established recordkeeping requirements for persons (excluding farms and restaurants) who manufacture, process, pack, transport, distribute, receive, hold, or import food to establish and maintain food records. Esseco USA LLC is in full compliance with Section 306.

**WE HEREBY CERTIFY THAT OUR COMPANY HAS RECEIVED A REGISTRATION NUMBER FROM THE U.S.FDA REGISTRATION OF FOOD FACILITIES, AND COMPLIES WITH THE BIOTERRORISM ACT OF 2002.**

***FDA Registration Number 10290799032***

Charlie Dulik  
January 1, 2024

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



+1 (973) 267-3330  
essecousa.com  
info@essecousa.com

Date: January 29, 2025

## CALIFORNIA PROPOSITION 65 STATEMENT

**Product:** Potassium Bicarbonate

To Whom it May Concern:

Hereby to confirm that the Potassium Bicarbonate sold by Esseco USA are manufactured by chemical synthesis from mineral raw materials and they are not included in the current listing (December 29, 2023) of substances known to the state of California to cause cancer or reproductive toxicity.

This information is accurate to the best of our knowledge at the time of this writing. It should, therefore, not be construed as guaranteeing specific properties. Because regulations and laws are continually being revised, the status of the aforementioned product could eventually change. We do not perform routine analytical testing to detect the presence of contaminants. The buyers or users are responsible for ensuring that the products they use, as supplied by us, are appropriate for and comply with the specific requirements of their intended application.

We hope that this information is useful to you. If you have any questions or require additional information, please feel free to contact us.

Sincerely,

*Mina Abdelmalek*

Mina Abdelmalek

Esseco USA

[Essecousa.com](http://Essecousa.com)

Disclaimer: The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we assume no obligation, expressed or implied, or liability for the use of or reliance on the information and data provided. The information is furnished upon the condition that the person receiving it shall make their own determination of the suitability of the material for their particular purpose.





<p><b>ESCLUSIVAMENTE PER USO PROFESSIONALE</b> CARBONATO ACIDO DI POTASSIO ADDITIVO ALIMENTARE E501ii PER ALIMENTI</p> <p>(DA IMPIEGARE UNICAMENTE AI FINI DELLA PRODUZIONE ALIMENTARE, <b>NON DESTINATO ALLA VENDITA AL DETTAGLIO</b>) ADDITIVO CHIMICO DA AGGIUNGERE IN QUANTITÀ LIMITATA SOLO ALLE SOSTANZE ALIMENTARI PER LE QUALI NE È CONSENTITO L'IMPIEGO SECONDO LE DIRETTIVE/I REGOLAMENTI IN VIGORE</p>	<p><b>FOR PROFESSIONAL USE ONLY</b> POTASSIUM HYDROGEN CARBONATE FOOD ADDITIVE E501ii FOR FOOD (FOOD GRADE)</p> <p>(INTENDED FOR THE MANUFACTURE OF FOODSTUFFS AND <b>NOT FOR RETAIL SALE</b>) CHEMICAL ADDITIVE TO BE ADDED IN LIMITED QUANTITY ONLY TO THE FOODSTUFFS FOR WHICH USE IS ALLOWED ACCORDING TO DIRECTIVES/REGULATIONS IN FORCE</p>
<p><b>EXCLUSIVEMENT À USAGE PROFESSIONNEL</b> CARBONATE ACIDE DE POTASSIUM ADDITIF ALIMENTAIRE E501ii POUR DENRÉES ALIMENTAIRES</p> <p>(DESTINÉ À LA FABRICATION DES DENRÉES ALIMENTAIRES ET <b>NON DESTINÉ À LA VENTE AU DÉTAIL</b>) ADDITIF CHIMIQUE À AJUTER EN QUANTITÉ LIMITÉE SEULEMENT AUX SUBSTANCES ALIMENTAIRES POUR LESQUELLES L'USAGE EST ADMIS SELON LES DIRECTIVES/LES REGLEMENTS EN VIGUEUR</p>	<p><b>FÜR BERUFSZWECKE</b> KALIUMHYDROGENCARBONAT LEBENSMITTELZUSATZSTOFF E501ii FÜR LEBENSMITTEL</p> <p>(FÜR DIE HERSTELLUNG VON LEBENSMITTELN BESTIMMT, <b>NICHT FÜR DEN VERKAUF IM EINZELHANDEL</b>) CHEMISCHER ZUSATZSTOFF, DER IN EINER MENGE ZUZUFÜGEN IST, DIE NUR AUF DIE LEBENSMITTELSTOFFE BESCHRÄNKT IST, FÜR DIE SEINE VERWENDUNG GEMÄSS DEN GELTENDEN RICHTLINIEN/VORSCHRIFTEN ZULÄSSIG IST</p>
<p><b>SÓLO PARA USO PROFESSIONAL</b> CARBONATO ÁCIDO DE POTASIO ADITIVO ALIMENTARIO E501ii DESTINADO A LA ALIMENTACIÓN</p> <p>(PARA FABRICACIÓN DE PRODUCTOS ALIMENTICIOS, <b>NO DESTINADO A LA VENTA AL POR MENOR</b>) ADITIVO QUÍMICO PARA AÑADIR EN CANTIDAD LIMITADA SOLAMENTE A LAS SUSTANCIAS ALIMENTARIAS EN LAS CUALES ESTÁ PERMITIDO SU USO SEGUN LAS DIRECTIVAS/LOS REGLAMENTOS EN VIGOR</p>	<p><b>APENAS PARA USO PROFISSIONAL</b> HIDROGENOCARBONATO DE POTÁSSIO ADITIVO ALIMENTAR E501ii PARA ALIMENTOS</p> <p>(PARA FABRICAÇÃO DE GÊNEROS ALIMENTÍCIOS E <b>NÃO PARA VENDA A RETALHO</b>) ADITIVO QUÍMICO A ADICIONAR EM QUANTIDADE LIMITADA APENAS ÀS SUBSTÂNCIAS ALIMENTARES PARA AS QUAIS A SUA UTILIZAÇÃO É PERMITIDA DE ACORDO COM AS DIRECTIVAS/REGULAMENTOS EM VIGOR</p>

PIM131 - R0 (0324)

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PIM131 - R0 (0324)

POTASSIO  
BICARBONATO FFQ

KEEP IN A COOL DRY AREA  
PREVENT SUNLIGHT EXPOSURE

POTASSIO  
BICARBONATO FFQ

KEEP IN A COOL DRY AREA  
PREVENT SUNLIGHT EXPOSURE

POTASSIO BICARBONATO FFQ  
POTASSIUM BICARBONATE FFQ  
BICARBONATE DE POTASSIUM FFQ  
KALIUMBICARBONAT FFQ  
BICARBONATO POTÁSICO FFQ  
BICARBONATO DE POTÁSSIO FFQ

KHCO<sub>3</sub> - EC No. 206-059-0 / CAS No. 298-14-6

Conservare al riparo dall'umidità; evitare l'esposizione ai raggi solari.  
Keep container dry; prevent sunlight exposure.  
Garder à l'écart de l'humidité; éviter l'exposition aux rayons du soleil.  
Von feuchtigkeit fernhalten; vermeiden sie die einwirkung von sonnenstrahlen.  
Almacenar lejos de la humedad; evite la exposición a la luz solar.  
Armazenar longe da umidade; evite a exposição à luz solar.

25 kg

ESSECO Srl - Via San Cassiano 99, fraz. San Martino - 28069Trecate (No) - Italia - Tel. +39-0321-790-1 - Fax +39-0321-790-207 - www.esseco.com

MADE IN ITALY

POTASSIO BICARBONATO FFQ  
POTASSIUM BICARBONATE FFQ  
BICARBONATE DE POTASSIUM FFQ  
KALIUMBICARBONAT FFQ  
BICARBONATO POTÁSICO FFQ  
BICARBONATO DE POTÁSSIO FFQ

KHCO<sub>3</sub> - EC No. 206-059-0 / CAS No. 298-14-6

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MADE IN ITALY

POTASSIUM  
BICARBONATE FFQ

KEEP IN A COOL DRY AREA  
PREVENT SUNLIGHT EXPOSURE

POTASSIUM  
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