



PRODUCT SPECIFICATION

SP-04-F

Rev.12 by 30.03.2023

Written LAB:

Verified RPA: *Alvina J. Juladon*

Approved RESP.LAB: *QuiaSpicevau*

POTASSIUM CARBONATE FOOD GRADE E-501

In accordance with the last Food Chemicals Codex edition

N° RECORD PRODUCER FOOD ADDITIVES | CE IT AAE 090 3

FORMULA	K_2CO_3
MOLECULAR WEIGHT	138.21
EINECS NUMBER	209-529-3
C.A.S. NUMBER	584-08-07
REGISTRATION REACH NUMBER	01-2119532646-36-0010

TYPE ANALYTICAL	CHEMICAL ANALISYS	AS	MIN.	MAX.	UNIT
A	Alkalinity	K_2CO_3	99,5		% w/w
A	Potash	KOH		0,2	% w/w
C	Sodium Carbonate	Na_2CO_3		1,15	% w/w
C	Water insolubles		No residue		
C	Moisture	H_2O		0,5	% w/w
C	Loss on drying (180 °C 4 h)			0,5	% w/w
C	Potassium chlorate	$KClO_3$		0,03	% w/w
A	Chloride	Cl^-		30	ppm
C	Sulphates	SO_4^-		50	ppm
C	Calcium	Ca		100	ppm
C	Iron	Fe		2	ppm
C	Lead	Pb		0,5	ppm
C	Arsenic	As		0,5	ppm
C	Mercury	Hg		Abs.	ppm
C	Cynides	CN		0,5	ppm
C	Heavy metals	Cr-Ni-Cd-etc.		3	ppm
C	Density at 20°C			1,300	Kg/1
C	Identification carbonate			Pass	
	Identification potassium			Pass	

GRAIN SIZE

TYPE	Over	Min	Max	
Dust free	2,000 mm		12 %	ASTM-E-11-61
	0,841 mm	95 %		“
	0,297 mm	99 %		“
Standard	1,190 mm		1 %	“
	0,297 mm	80 %		“
Powder	0,500 mm		0,5 %	“
	0,149 mm		80 %	“



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Written LAB:

Verified RPA: *Chiara Ghelardini*

Approved RESP.LAB: *Giulia Giannoni*

A = Analysis certificate emission

C = Conformity declaration

Altair Chimica S.p.A. guarantees that the product meets the technical specification as per the revision in force at the production date. Altair Chimica S.p.A. doesn't afford any implicit or explicit guarantee concerning the application of the product alone, or in combination with other products.

Altair Chimica S.p.A. doesn't bear any responsibility coming from the use of the product.

Altair Chimica S.p.A. advises in any case the use of the product in agreement with the information given in the MSDS .

For any non-conformity claim with reference to specification, after the written acceptance of the claim by Altair Chimica SpA, the guarantee covers only:

- the replacement of the claimed quantity of product without any penalty;
- or, if agreed on, the collection of the claimed material with refunding of the sole invoice value corresponding to that quantity

ADDITIONAL REQUIREMENTS

1. UNI EN ISO 9001:2015
2. FSSC 22000 v.5.1 cat.K - GFSI recognised
3. GMP+ cat.B2
4. Kosher
5. Halal
6. Ecovadis
7. UNI EN ISO 14001:2015
8. EMAS Regolamento (CE) n. 1221:2009,
9. UNI CEI EN ISO 50001:2018
10. UNI ISO 45001:2018
11. SGS-PIR D.lgs.105/2015


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Chiara Ghelardini

Altair Chimica S.p.A.
Laboratory Manager
REACH Manager
Giulia Giannoni
Giulia Giannoni

→ see our website to download the updated certificate: <https://www.altairchimica.com/en/quality-certifications/>

FDA: 17974742880

HALAL: HIA-ITA-00040-002

FOOD ADDITIVE

The product complies with the purity criteria set out by the European Regulation 231/2012.

GMO

The property ensures that the product contains absolutely no genetically modified substance; This warranty is extended to the whole manufacturing process adopted in Altair.

TSE/BSE

The Property ensures that the product never came into contact with pathogens encephalopathies in question; This warranty is extended to the whole manufacturing process adopted in Altair.

ALLERGENIC SUSTANCE

The product does not contain any substance listed among those allergenic.

SOLVENT

The product contains absolutely no trace of volatile solvent residues.

SVHC

The product does not contain any of the substances in the list of those highly dangerous.

ORIGIN

Manufactured at its own factory in Saline di Volterra, it is a product of mineral origin obtained from the mines of potassium chloride physically extracted and using membranes for its final production.

UNDESIRABLE SUBSTANCES

The property guarantees that the product does not contain any of the following substances: PFAS, PHTALATES, FORMALDEHYDE, PAH, ETHYLENE OXIDE, VOCs, LATEX and SILICONES.

This warranty extends to Altair's entire manufacturing process.