



# PRODUCT SPECIFICATION

SP-02-A1

Rev.01 by 04.01.2024

Written LAB

Verified RPA: *Alvare J. Galadon*Approved RESP.LAB: *Quirica Perceval*

## CAUSTIC SODA SOLUTION 50 % FOOD GRADE E-524

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

FORMULA	NaOH
MOLECULAR WEIGHT	40.01
EINECS NUMBER	215-185-5
C.A.S. NUMBER	1310-73-2
REGISTRATION REACH NUMBER	01-2119457892-27-0054

TYPE ANALYTICAL	CHEMICAL ANALISYS	AS	MIN.	MAX.	UNIT
A	Assay	NaOH	49,0	51,0	% w/w
A	Carbonate	Na <sub>2</sub> CO <sub>3</sub>		0,2	% w/w
A	Chloride	Cl <sup>-</sup>		35	ppm
C	Sulphates	SO <sub>4</sub> <sup>-</sup>		10	ppm
C	Iron	Fe		3	ppm
C	Arsenic	As		3	ppm
C	Lead	Pb		0,5	ppm
C	Mercury	Hg		Abs.	ppm
C	APHA colour			15	
C	Density at 20°C		1,520		Kg/l
C	Sodium Test	<i>Positive</i>			
C	pH	A 1% solution is strongly alkaline			
C	Solubility	Miscible in water and ethanol			
C	Water insolubles	A 5% solution is completely clear and colorless			

**A = Analysis certificate emission****C = Conformity declaration**

Altair Chemical S.r.l. guarantees that the product meets the technical specification as per the revision in force at the production date.

Altair Chemical S.r.l. doesn't afford any implicit or explicit guarantee concerning the application of the product alone, or in combination with other products.

Altair Chemical S.r.l. doesn't bear any responsibility coming from the use of the product.

Altair Chemical S.r.l. 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 Chemical S.r.l. 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



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Verified RPA: *Chiara Ghelardini*

Approved RESP.LAB: *Giulia Giannoni*

## 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

➔ see our website to download the updated certificate

**FDA: 13071011806**

**HALAL: HIA-ITA-00040-007 / WHA-IT00365-007**

### 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 sodium 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.

**Chiara Ghelardini**  
Management System Manager  
HACCP Manager

**Laboratory Manager**  
**REACH Manager**  
**Giulia Giannoni**

*Chiara Ghelardini* *Giulia Giannoni*

**Altair Chemical S.r.l.**  
Via Moie Vecchie, 13  
56048 Saline di Volterra (PI)  
C.F. e P.IVA 0992148 015 9  
Codice SDI: GE7DJLZ