

**SALES SPECIFICATION****SODIUM BICARBONATE FOOD GRADE (E500ii)**

| Chemical Specifications         | Result                                 |
|---------------------------------|----------------------------------------|
| NaHCO <sub>3</sub>              | 99,3 % min                             |
| Na <sub>2</sub> CO <sub>3</sub> | 0,5% max                               |
| Cl                              | 0,025% max                             |
| SO <sub>4</sub> <sup>-2</sup>   | 0,03% max                              |
| Water insoluble                 | 0,05% max                              |
| Pb/Lead                         | 0,1 mg/kg max                          |
| As/Arsenic                      | 0,1 mg/kg max                          |
| Hg/Mercury                      | 0,1 mg/kg max                          |
| Fe (Total)                      | 10 ppm max                             |
| pH                              | 8-8,6 max 1% solution                  |
| Solubility                      | Soluble in water, insoluble in ethanol |
| Test for sodium                 | Passes test                            |
| Test for carbonate              | Passes test                            |

| Solubility        |      |
|-------------------|------|
| 15,6g/100ml water | 60°C |
| 9,55g/100ml water | 20°C |
| 5,55g/100ml water | 0°C  |

| Microbiological Properties & Dioxins | Result                       |
|--------------------------------------|------------------------------|
| Salmonella                           | 0 kob/25 gr                  |
| Entro-bacteria                       | Max 5x10 <sup>2</sup> kob/gr |
| Mould-yeast                          | Max 1000 kob/gr              |
| Dioxins                              | Max 0,1 ng/kg                |
| Sum of dioxins and dioxin-like PCB's | Max 1,0 ng/kg                |

| Physical Properties |                                               | Result                           |
|---------------------|-----------------------------------------------|----------------------------------|
| Loss on drying      |                                               | 0,25% max (4hours on silica gel) |
| Bulk density        | g/cm <sup>3</sup>                             | 0,75-1,15                        |
| Whiteness           | %                                             | L*=95 min (CIE lab)              |
| Ammonium salt       | No odour of ammonia perceptible after heating |                                  |

| Particle size    |   | Garantee |
|------------------|---|----------|
| + 75 micron (µm) | % | 20-90    |
| + 45 micron (µm) | % | 60-100   |

Product complies with EU directive 231/2012/EC.

Must be stored in a covered warehouse, preferably lower than 30°C and 50% relative humidity and well ventilated. Not recommended to store more than 1 pallet on another. The shelf life of the product is 2 years.

Origin; Turkey  
Free from Allergens

# INGREDIENT INFORMATION SHEET

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|                                                 |                    |
|-------------------------------------------------|--------------------|
| <b>COMPANY NAME</b>                             | Eti Soda           |
| <b>PRODUCT</b><br><i>CODE &amp; DESCRIPTION</i> | Sodium Bicarbonate |

*In addition to your general product specification, please provide this specific information about the product mentioned above. This information is required for our ingredient risk analysis.*

## What is the country of origin of the product?

Please specify all possible countries.

|                                                      |        |
|------------------------------------------------------|--------|
| Country of processing                                | Turkey |
| Country of provenance<br>(origin of the ingredients) | Turkey |

## Is your product subjected to any (heat) treatment to increase shelf life? ☐ YES ☒ NO

Please specify the process, and processing time and temperature if applicable.

|  |
|--|
|  |
|--|

## Which measures to do you take to avoid the presence of foreign objects in your product?

|                          |                                                                     |                                                                              |
|--------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------|
| Metal detector<br>(25kg) | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | Detection limits<br>Fe (mm): 2.2<br>Non Fe (mm): 3<br>Stainless steel (mm):3 |
| X-ray                    | <input type="checkbox"/> YES <input type="checkbox"/> NO            | Detection limits<br>Glass (mm):<br>Ceramics (mm):<br>Stainless steel (mm):   |
| Magnets                  | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | Detection size (mm): 1500GS                                                  |
| Filters                  | <input type="checkbox"/> YES <input type="checkbox"/> NO            | Mesh size (mm):                                                              |
| Sieves                   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | Mesh size (mm): 500 micron                                                   |
| Visual inspection        | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |                                                                              |
| Other                    | <input type="checkbox"/> YES <input type="checkbox"/> NO            |                                                                              |

## Product characteristics

Please fill in all relevant values

|            |  |
|------------|--|
| Aw value   |  |
| pH value   |  |
| Dry matter |  |
| Brix       |  |

|  |                                             |
|--|---------------------------------------------|
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05, February 2020

### Allergen Statement For Sodium Bicarbonate

Dear Valued Customer,

We hereby certify that the product Sodium Bicarbonate supplied by Eti Soda are free from allergens, as listed in Annex II to Regulation (EU) No. 1169/2011 (e.g., no milk or milk products, peanut products, lupine, mollusk, tree nuts, grains, fish or seafood, shellfish, seeds or seed products) and does not contain any chemical that can be hazardous to human health.

This is with the guarantee that our product is safe, non-toxic, non-hazardous and allergens are not intentionally added or introduced to any part of the process.

Sincerely,



Ferhat SOYLU

Quality Assurance/Quality Control & HSE Manager

Ref : 20.ETISODA.107/099  
Subj : Sodium Bicarbonate/GMO

15.01.2020

NON GMO CERTIFICATE FOR SODIUM BICARBONATE

The manufacture of Eti Soda Sodium Bicarbonate is made by refining of natural sodium mineral, Trona. The product is neither manufactured with, nor does it contain, any Genetically Modified Organisms (GMOs), according to EU regulation 1829/2003 & 1830/2003.

Eti Soda Sodium Bicarbonate is a single ingredient product that is manufactured without inputs and processes involving microorganisms, enzymes, synthetic biology, animal derived materials, or plant derived materials. It is an inorganic chemical.

Sincerely,



Ahmet M. KEŞKÜŞ  
Vice General Manager



CİNER GRUBU VE  
ETİ MADEN  
İŞLETMELERİ  
ORTAKLIĞIDIR

ETİ SODA ÜRETİM  
PAZARLAMA NAKLİYAT  
VE ELEKTRİK ÜRETİM  
SANAYİ VE TİC. A.Ş.

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