

# Brewtan C

## >>> Tannic Acid Brewtan C Product data-sheet

Brewtan C is a high molecular weight hydrolysable tannic acid specially purified for food applications. This high purity grade was specifically developed for the stabilisation of beer in maturation.

Brewtan C is a 100 % natural material extracted from renewable plant materials using dedicated strictly controlled production facilities. No added preservatives or additives are used in the production of Brewtan C.

### >>> PROPERTIES<sup>(\*)</sup>

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|------------------------------------|-----------------------------------------------------------------------|
| ▪ Appearance:                      | light yellow granular powder, free of visible impurities              |
| ▪ Odour:                           | practically odourless                                                 |
| ▪ Taste:                           | neutral / slight astringent taste<br>tasteless at normal usage levels |
| ▪ Purity (on dry material – HPLC): | min. 97.5 %                                                           |
| ▪ Gallic acid (HPLC):              | max. 0.5 %                                                            |
| ▪ Free Moisture:                   | max. 7 %                                                              |
| ▪ Ash content:                     | max. 0.05 %                                                           |
| ▪ pH (1 % in water):               | 3.0 – 4.5                                                             |
| ▪ Density:                         | 0.35 – 0.45 g/cm <sup>3</sup>                                         |
| ▪ Colour Gardner (1:10; alcohol):  | max. 7                                                                |
| ▪ Solubility in H <sub>2</sub> O:  | clear                                                                 |
| ▪ Heavy metals:                    | max 20 ppm                                                            |

<sup>(\*)</sup> Only selected data is represented here, for a full set of specifications we refer to our **Specifications** sheet.

### >>> USAGE

Brewtan C can be added before maturation, during transfer, or in uni-tank after fermentation to improve colloidal stability by selectively removing haze-forming proteins.

To prevent local over-dosage Brewtan C is best added as a 5-10 % solution. Due to its granular form Brewtan C easily dissolves in brewing water at room temperature. Addition is done proportionally with a dosage pump.

Typical Brewtan C dosage levels are 5 – 7 g/hl. For more detailed information regarding beer stabilisation with Brewtan C we refer to the specific **Application Fact Sheet** on this subject.

### >>> STORAGE AND HANDLING

Brewtan C does not require special storage conditions and has a shelf life of min. 5 years if stored in a dry area in its original closed packaging. The product is not frost sensitive and normal ambient temperatures (i.e. 5-25°C) suffice.

Prolonged exposure of Brewtan C to light can cause a gradual colour shift. This does not influence technical performance of the product unless colour is a critical parameter in the application. Storage of Brewtan C open to the atmosphere can result in moisture uptake from the surroundings. Therefore reseal the inner plastic bag and keep the lid on the fibre drum if Brewtan C is not in use.

Due to its granular form Brewtan C produces little or no dust during handling.

### >>> PACKAGING

Brewtan C is available as a spray-dried granular product in 25 kg fibre drums lined with an inner polyethylene bag or in 20 kg cardboard boxes lined with an inner polyethylene-polyamide bag.

### >>> FURTHER INFORMATION

Further safety information is provided in our **Material Safety Data Sheet**.

Upon simple request a controlled copy of our **Specifications** can be provided by our QC-department.

Information on usage and applications can be found in our **Application Fact Sheets**. Our R&D department can provide you further detailed information on composition and regulatory status.

Deliveries are accompanied by a **Certificate of Analysis**.

CAS Nr.: 1401-55-4

EINECS/ELINCS: 215-753-2

FEMA-GRAS: 3042

FAO/WHO INS No: 181

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The information provided in this product data sheet is based on the present state of our knowledge. Some of the applications mentioned in this document are protected by patent law. Ajinomoto OmniChem nv/sa cannot be held responsible for patent law infringements and the customer should contact the patent holder if so required. Due to the many process parameters involved we are not able to submit a general recommendation. It only shows without liability on our part the uses to which our products can be put. However, Ajinomoto OmniChem nv/sa cannot be held responsible for the consequences of the application of the above described product.