

Tanal SCA

>>> Tannic Acid Tanal SCA Product data-sheet

Tanal SCA is a blended high molecular weight hydrolysable tannin purified for applications in the food industry.

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

>>> PROPERTIES^(*)

- | | |
|-----------------------------------|--|
| ▪ Delivery form: | light yellow granular powder, free of visible impurities |
| ▪ Odour: | slight in solution, typical tannic acid |
| ▪ Purity (on dry material): | min. 96.5 % |
| ▪ Moisture: | max. 7 % |
| ▪ Density: | 0.35 – 0.45 g/cm ³ |
| ▪ pH (1 % in water): | 3 – 4.5 |
| ▪ Colour Gardner (1:10; alcohol): | max. 11 |
| ▪ Solubility in H ₂ O: | clear |
| ▪ Heavy metal content: | < 20 ppm |

^(*) Only selected data is represented here, for a full set of specifications we refer to our **Specifications** sheet.

The product is bacteriostatic in the dry delivery form.

>>> USAGE

Tanal SCA is used as a taste-modifying agent in the food industry. Depending on the usage level and the application Tanal SCA can either act as a taste enhancer or can impart mild astringency or bitterness.

In soft drinks Tanal SCA is often used in combination with synthetic sweeteners (e.g. aspartame) to mask the undesirable after-taste often associated with these products.

Due to the strong anti-oxidant and complexing properties (e.g.: with Fe^{2+/3+}, Cu²⁺ and haze forming proteins) Tanal SCA can also be used in clarification processes (e.g. sugar refining, fat and oil processing) or as a stabilising aid to increase shelf life.

Usage levels typically range from 0.01 g/kg up to 2 g/kg depending upon the application.

>>> STORAGE AND HANDLING

Tanal SCA 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 storage temperatures (i.e. 5 - 25°C) suffice.

Prolonged exposure of Tanal SCA 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 Tanal SCA 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 Tanal SCA is not in use.

Due to its granular form Tanal SCA produces little or no dust during handling.

>>> PACKAGING

Tanal SCA is available as a spray-dried granular product in 25 kg fibre drums lined with an inner polyethylene 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

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.