

Tanal 04

>>> Tannic Acid Tanal 04 Product data-sheet

Tanal 04 is a specially purified low molecular weight hydrolysable tannin for applications in the food industry.

>>> ORIGIN, PRODUCTION

Commercial tannic acid is a naturally occurring mixture of closely related compounds called polygalloyl glucoses or polygalloyl quinic acid derivatives.

For the production of its hydrolysable tannins, OmniChem uses a continuous solid/liquid extraction process. The crude extract is further purified using liquid/liquid extraction by appropriate selection of the extraction solvents. Further downstream purification steps remove a variety of impurities. The purified extract is spray-dried and a granular product is obtained using fluidized bed technology.

Tanal 04 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 Tanal 04.

>>> USAGE

Tanal 04 has major applications as a taste-modifying agent in the food industry.

Tanal 04 can impart astringency or bitterness. Typical applications include tea-like beverages or solid flavoured drink powders. For this application, we can recommend a dosage of 100 to 150 ppm.

In soft drinks, Tanal 04 is used to mask the undesired after-taste of artificial sweeteners (e.g. aspartame, acesulfame-K, sucralose,...) often associated with these products.

>>> STORAGE AND HANDLING

Tanal 04 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 04 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 04 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 04 is not in use.

Due to its granular form Tanal 04 produces little or no dust during handling.

>>> PACKAGING

Tanal 04 is available as a spray-dried granular product in 25 kg fibre drums lined with an inner Polyethylene bag.

>>> REGULATORY & FURTHER INFORMATION

Tanal 04 is compliant with latest FCC and FAO-WHO monographs. Tanal 04 is considered a natural flavour substance under EU-Food law.

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

CAS Nr.: 1401-55-4

FEMA-GRAS: 3042

FAO/WHO INS No: 181

The information provided in this technical 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.