

ALSOK 01

>>> Tannic Acid ALSOK 01 Product data-sheet

ALSOK 01 is a high molecular weight hydrolysable tannic acid specially purified for high-end applications such as cosmetics or supplements. This high purity grade is specifically purified to eliminate low molecular weight impurities such as gallic acid.

ALSOK 01 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 ALSOK 01.

>>> PROPERTIES^(*)

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|------------------------------------|--|
| ▪ Appearance: | light yellow granular powder, free of visible impurities |
| ▪ Odour: | practically odourless |
| ▪ Taste: | neutral / astringent taste |
| ▪ Purity (on dry material – HPLC): | min. 98 % |
| ▪ Gallic acid (HPLC): | max. 2.25 % |
| ▪ Free Moisture: | max. 7 % |
| ▪ Ash content: | max. 0.1 % |
| ▪ Density: | 0.35 – 0.45 g/cm ³ |
| ▪ pH (1 % in water): | 3.0 – 4.0 |
| ▪ Colour Gardner (1:10; alcohol): | max. 9 |
| ▪ Solubility in H ₂ O: | clear |
| ▪ Heavy metals (FCC): | max. 20 ppm |

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

>>> USAGE

ALSOK 01 is among the strongest natural anti-oxidants currently on the market. It typical has an ORAC-value of 20000 µmol TE/g or higher. We have found that it not only exhibits strong anti-oxidant properties in aqueous media but also in emulsified or oil based systems.

Due to its pale colour it is particularly suitable in applications where a pale colour is an absolute prerequisite.

This extraordinary broad application window makes it particularly suitable for cosmetic applications.

For labelling purposes according to the INCI name system ALSOK 01 should be referred to as "Tannic acid".

>>> STORAGE AND HANDLING

ALSOK 01 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 ALSOK 01 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 ALSOK 01 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 ALSOK 01 is not in use.

Due to its granular form ALSOK 01 produces little or no dust during handling.

>>> PACKAGING

ALSOK 01 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**.

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EINECS/ELINCS:	215-753-2
EU-FLAVIS FL No:	16.080
FEMA-GRAS:	3042
FAO/WHO INS No:	181

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