

ALSOK 04

>>> Tannic Acid ALSOK 04 Product data-sheet

ALSOK 04 is a specially purified low molecular weight hydrolysable high quality tannic acid particularly suitable for pharmaceutical applications.

ALSOK 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 ALSOK 04.

>>> PROPERTIES(*)

▪ Delivery form:	yellow brown granular powder, free of visible impurities
▪ Odour:	slight in solution, typical tannic acid.
▪ Purity (on dry material):	min. 96 %
▪ Moisture:	max. 7 %
▪ Density:	0.35 – 0.45 g/cm ³
▪ pH (1 % in water):	2.5 – 3.5
▪ Colour Gardner (1:10; alcohol):	max. 11
▪ Solubility in H ₂ O:	clear

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

>>> USAGE

ALSOK 04 has major applications in the production of API-tannate formulations. Such tannate salts have a number of advantages: in products such as phenylephrine tannate, the tannate derivative imparts improved stability compared to the free base or other more traditional "salts".

Due to this increased stability these tannates can be used in slow release formulations allowing for an extended pharmaceutical action and thus reduce the number of administrations of the drug.

Other examples of such slow release compounds are dextromethophan tannate, dextrochlorpheniramine tannate, but anti-histamine and other API tannates are also known and have been in use for considerable time in both prescription drug formulations and over the counter remedies such as cough syrups.

ALSOK 04 is in accordance with current versions of FCC and USP.

ALSOK 04 easily dissolves in water or even better in hot water (e.g. 60°C). Solutions up to 50 % (m/V) can be prepared. However such solutions are viscous and can be difficult to handle. In practice ALSOK 04 is added as a 5 – 10 % (m/V) solution. ALSOK 04 is also soluble in a number of organic solvents such as alcohols, acetone or esters.

Shelf life of these aqueous solutions is related to concentration: 1 % (m/V) solution should be used within the same day, 5-10 % solution can be stored for 1 week at room temperature. 30 % solutions can be used for several months, assuming no micro-biological contamination occurs.

High amounts of dissolved iron or copper will cause formations of resp. dark blue or brown tannic acid-metal complexes, and should therefore be avoided.

>>> STORAGE AND HANDLING

ALSOK 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 temperatures (i.e. 5-25°C) suffice.

Prolonged exposure of ALSOK 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 ALSOK 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 ALSOK 04 is not in use.

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

>>> PACKAGING

ALSOK 04 is available as a spray-dried granular product in 25 kg or 50 lbs. 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 **Technical Leaflets**. 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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