

TECHNICAL DATA SHEET

Effective date: 01.2023

ALKANET POWDER

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Alkanna Tinctoria Root Extract
Description	Roots air-dried and ground into a fine powder, used as raw material for cosmetic applications, mainly in hair coloring and soaps, and as red pigment.
Composition	<p>Red coloring matters (alkannin): mainly in the bark (5-8%) consisting mainly of S(-)-alkannin ester, a naphthoizin derivative. Alkannin is soluble in many organic solvents, in fatty oils and partially in essential oils. Due to the presence of phenolic constituents, alkannin solubilizes in alkali hydroxide solutions, with a color change to gray or blue.</p> <p>Other constituents: like many Boraginaceae, Alkanna tinctoria biosynthesizes pyrrolizidine alkaloids with a 1,2-unsaturated necine skeleton as well as their N-oxide derivatives: triangularine, 7-angeloyltretronecine.</p>

TECHNICAL DATA

Physical parameters

Appearance	Purple-colored powder
Odor	Characteristic strong odor, earthy notes
Humidity	≤ 12%
Assay	> 98%

Biological parameters

Aerobic Bacterial Count	< 100 cfu/g
Yeasts and Molds	< 10 cfu/g
Enterobacteries	absence
Heavy metals	< 5.0 ppm

TRANSPORT, STORAGE and SHELF LIFE

Shelf Life	Up to 5 years in recommended storage conditions. Store in a cool, dry, ventilated area away from heat sources.
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LEGISLATION

Certification	-
CMR	This product is free from substances classified as carcinogenic, mutagenic or toxic for reproduction (CMR) of category 1A, 1B or 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008
Nanomaterials	This product is not considered as a nanomaterial, and doesn't contain nanoparticles as defined by the European commission and as described in EU n°1223/2009 and 2012-232 (ANSES).
Animal testing	This product has not been tested on animals.
GMO	Manufactured neither from nor by GMOs as those terms are used in Articles 2 and 9 of Council Regulation (EC) N°834/2007.
Allergens, cosmetic	None
EINECS	286-469-4
CAS	517-88-4 / 23444-65-7 / 85251-58-7

DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.