

TECHNICAL DATA SHEET

Effective date: 04.2019
Rev.1

Pure Caffeine Powder

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Caffeine
Raw material category	Active ingredient
Chemical name	1,3,7-trimethylxanthine
Description	100 % natural plant origin anhydrous caffeine is a methylxanthine alkaloid. Pure caffeine is a strongly bitter white powder.
Manufacturing process	The green anhydrous caffeine has been extracted from "Arabica" & "Robusta" coffee beans through CO ₂ supercritical extraction, enabling it to be considered as a "green" extracted caffeine.

TECHNICAL DATA

Physical and chemical parameters

Appearance	Solid, powder
Color	White
Odor	Odorless
Solubility	Soluble in main organic solvents – solubility in water at 20°C: 20 g/l
Melting point	234 - 239°C
Acidity (ml NaOH 0.01M)	Max. 0.2
Loss on drying (% w/w)	Max. 0.5
Purity	> 98.5 %
Granulometry (above 180 µm)	Max 10 %

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Keep in tightly closed containers in a cool and dry place, protected from light at a temperature between 10 and 25°C. Stable at usual storage and use conditions.
Shelf Life	5 years under good storage conditions

LEGISLATION

Regulation compliance	This product is in compliance with Regulation (EC) No 1223/2009
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	Complies with United State Pharmacopoeia and European Pharmacopoeia This product is out of the scope of the Regulation (EU) No 511/2014 (EU CM-ABS Regulation) OSHA Hazard Communication Standard (29 CFR 1910.1200) is in line with the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS)
Nanoparticles	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)
Pesticides	Pesticide content should not exceed 10 ppm based upon data from our starting material suppliers and knowledge of the manufacturing process
Heavy metals	Heavy metal content should not be above 10 ppm (as Pb) based upon data from our starting material suppliers and knowledge of the manufacturing process
CMR substances	Does not contain any substance classified as carcinogenic, mutagenic or reprotoxic.
Impurities	Up to our knowledge the following substances are not present and/or are not expected to be present because they are not used in the manufacturing process: glycol ethers, PEG, ethoxydiglycol, PPG, phthalates, VOC (Volatile Organic Compounds), residual solvents, antioxidants (BHA/BHT), preservatives, EDTA, nitrosamine or nitrosamine producer, dioxins, terpenes, musk xylenes, nitro and polycyclic musk compounds, ethanolamine, PAHs, nitrites, hydrocarbon, Caffeic acid and its esters (ethyl caffeate, methyl caffeate, n,t-butyl caffeate, isopropyl caffeate, hexyl caffeate, n-octyl caffeate, benzyl caffeate, phenyl caffeate, 3-phenylpropyl caffeate), dihydrocaffeic acid and its esters (octyldihydrocaetate, ethyl dihydrocaffeate, methyl dihydrocaffeate, n,t-Butyl dihydrocaffeate, benzyl dihydrocaffeate, n-hexyl dihydrocaffeate, 3-phenylpropyl dihydrocaffeate, phenethyl dihydrocaffeate), caffeic acid phenetyl ester (CAPE), parabens, lanolin, silicone. This product is palm oil free This product is gluten free This product is natural latex free
GMO	Does not contain any ingredient derived from genetically modified raw materials
Animal testing	This product has not been the subject of animal testing or retesting for cosmetic purposes by or on behalf of this company. NOAEL represents the dosage at which no adverse effect is observed in experimental animals after repeated daily administration. As the supplier doesn't test on animals any of its products, it is not possible to calculate the NOAEL/LOAEL/NOEL values.
Allergens	This product does not contain any of the 26 substances considered as allergenic by the 7th Amendment of the European Cosmetic Directive 76/768/EEC & (CE) No 1223/2009
REACH	This product does not contain any SVHC (Substance of Very High Concern)
BSE	Does not contain any animal ingredient. Therefore, it does not contain any tissue prohibited by the European 97/584/EC which pose a risk of transmitting the brain

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	Bovine Spongiform Encephalopathy (BSE)
EINECS	200-362-1
CAS	58-08-2

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.