



Specification

Concerning Product:	
Article number	58082NEP
Trade name / designation / denomination	Caffeine anhydrous, crystalline
CAS number	58-08-2
Other names / synonyms	•1,3,7-trimethylpurine-2,6-dione; •Caffeine Anhydrous ; •caffeine;
EC number	200-362-1
EC index number	613-086-00-5
Customs tariff number / CN code / TARIC	29393000
Molecular weight [g / mol]	194.1906
Formula	C ₈ H ₁₀ N ₄ O ₂
Warning -/-, ,	
Harmful if swallowed. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Dispose of contents/container in accordance with local/regional/(inter)national regulations.	

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	clear and colourless	
Appearance	white or almost white, crystalline powder or silky, white or almost white crystals	
Physical parameter		
Acidity/Alkalinity	0.01 M sodium hydroxide: ≤ 0,2	ml
Loss on drying	≤ 0,5	%
Identity		
Assay	98,5 – 101,0	%
Melting Point (identity)	234 – 239	°C
Impurities		
Residue on ignition	≤ 0,1	%
Heavy Metals (as Pb)	≤ 20	ppm
Sulphates (SO ₄)	≤ 500	ppm
Impurity	any / jewells: ≤ 0,1	%
Impurity	total: ≤ 0,1	%
Related substances	each unspecified impurity: ≤ 0,1	%
Related substances	Impurity A: ≤ 0,1	%

Related substances	Impurity B: ≤ 0,1	%
Related substances	Impurity C: ≤ 0,1	%
Related substances	Impurity D: ≤ 0,1	%
Related substances	Impurity E: ≤ 0,1	%
Related substances	Impurity F: ≤ 0,1	%
Related substances	total: ≤ 0,1	%
Microbiological data		
Escherichia Coli.	not detectable in 1 g	
Salmonella	not detectable in 10 g	
Total Plate Count	≤ 1000	CFU/g
Yeast and Mould	≤ 200	CFU/g

Regulatory information:

Allergens statement: According to Annex II of Regulation (EU) No **1169/2011** of the European Parliament and of the Council of 25th October 2011 and its amendment (EU) No **78/2014** on substances or products the above mentioned product does NOT cause allergies or intolerances and does NOT contain any allergens which have to be labelled according to these regulations.

BSE/TSE statement: Risk of BSE/TSE contamination can be excluded.

GMO statement: Genetic engineering:

For the above mentioned product there is no obligation of g.m.o. labelling as defined by the Regulations (EC) No **1829/2003** and **1830/2003** of the European Parliament and the Council of 22nd September 2003.

Supplemental information:

Shelf life: 48 Mon.

Derivation: synthetic

Storage conditions: Protect from light and store cool and dry in well-closed original packaging. The temperature should not exceed 25 °C.

Usage: The product is suitable for a vegetarian nutrition.
The product is suitable for a vegan nutrition.
The product is suitable for lactose intolerance diet.
The product is suitable for people with coeliac disease and sprue.
The product is in compliance with Jewish dietary laws.
The product is in compliance with Islamic dietary laws.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 20. May. 2019

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