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Specification

Concerning Product:	
Article number	31800
Trade name / designation / denomination	Natriumcyclamat pulv.
CAS number	139-05-9
Other names / synonyms	•CYCLOHEXYLSULFAMIC ACID; •Cyclamic Acid; •Cyclamic Acid-d11; •N-Cyclohexylsulfamic Acid; •N-Cyclohexylsulfamic acid; •Sodium Cyclamate; •Sodium Cyclamate (Sodium N-cyclohexylsulfamate) crystalline; •Sodium Cyclamate (Sodium N-cyclohexylsulfamate) powder; •Sodium N-Cyclohexylsulfamate; •Sodium N-cyclohexylsulfamate;
EC number	205-348-9
Customs tariff number / CN code / TARIC	29299000
Molecular weight [g / mol]	201.219
Formula	$C_6H_{12}NO_3SNa$

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance of solution	Ph.Eur.	clear and colourless	
Colour		white	
Flavor and taste		intensely sweet (approx. 30 - 40 times sweeter than sucrose)	
Odour		odourless	
Physical parameter			
Form		**fine powder**	
Loss on drying	PRO.333	≤ 1,0	%
pH value	Ph.Eur.	(10% in H_2O): 5,5 – 7,5	
Solubility		Freely soluble in water, slightly soluble in ethanol (96%)).	
Identity			
Assay	Ph.Eur.	98,5 – 101,0	%
Identification	Ph.Eur.	(A) IR. spec.: conforms with standard	
Identification	Ph.Eur.	(E) Sodium reaction: positive	
UV spectroscopy	Ph.Eur.	@ 270 nm: ≤ 0,10	
Impurities			
Sulphates (SO_4)	Ph.Eur.	≤ 1000	ppm
Impurity	Ph.Eur.	Aniline[1]: ≤ 0,5	ppm
Impurity	Ph.Eur.	Cyclohexylamine[1]: ≤ 8	ppm
Impurity	Ph.Eur.	NN-Dicyclohexilsulfamide[1]: ≤ 1	ppm
Impurity	Ph.Eur.	NN-Dicyclohexylamine[1]: ≤ 0,5	ppm
Impurity	Ph.Eur.	Sulphamic acid: ≤ 0,1	%
Residual Solvents			
Residual solvents	GC	according to ICH Guideline Q3C (*)	
Residual solvents	GC	Xylene[1, *]: ≤ 1	ppm
Elemental Impurities			
Arsenic (As)	ICP-MS	[1, *] ≤ 1,5	ppm
Lead (Pb)	ICP-MS	[*] ≤ 0,5	ppm
Selenium (Se)	ICP-MS	[1, *] ≤ 15	ppm

Microbiological data			
Aerobic microorganisms	Ph.Eur.	([1], *) ≤ 1000	CFU/g
Coliform bacteria	Ph.Eur.	absence([1], *)	/0,1 g
Salmonella	Ph.Eur.	absence([1], *)	/25 g
Yeast and Mould	Ph.Eur.	([1], *) ≤ 100	CFU/g
Particle size distribution			
Particles		PSD: Max. 98% < 315 Âµm | Max 40% < 100 Âµm	%

Annotation:

* n.d. = not detectable / nicht messbar

*: Periodically tested

([1]): Limit of the European Pharmacopoeia: higher or not defined.

Regulatory information:

Elemental Impurities (ICP-MS): according to ICH Guideline Q3D (*)

Registration status: This product is manufactured using excipient Good Manufacturing Practices (GMP).

Supplemental information:

Shelf life: 5 years from date of manufacture

Complies with monographie: Ph.Eur. 11th edition, monograph No. 0774

PURITY Conform to European Pharmacopoeia 11th edition, to ICH Guidelines Q3C on Residual Solvents and Q3D on Elemental Impurities, and to Regulation (EU) 231/2012 and amendments on Specification for Food Additives.

Packing: 20 kg cardbox; 50 kg drum; 500 kg big bag

Regional origin: EU

Usage: According to Ph. Eur. 11th edition, to Regulation (EC) 1333/2008 and Regulation (EU) 1129/2011 on Food Additives and amendmends. PURITY: According to Ph. Eur. 11th edition, and Regulation (EU) 231/2012 Specifications for Food Additives, and amendends.

Sweetener for food E-952

Chemische Werke Hommel GmbH & Co.KG
This document was generated electronically and is valid without signature.
Waltrop, 23. Feb. 2026

LF-Basis: 17 (2023-02-07)

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