



Specification

Concerning Product:	
Article number	13241333V01
Trade name / designation / denomination	Neohesperidin, DC, Ph.Eur.
CAS number	13241-33-3
Other names / synonyms	•(2S)-7-[[[(2S,3R,4S,5S,6R)-4,5-dihydroxy-6-(hydroxymethyl)-3-[[[(3R,4R,5R,6S)-3,4,5-trihydroxy-6-methyl-2-oxanyl]oxy]-2-oxanyl]oxy]-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-3,4-dihydro-2H-1-benzopyran-4-one; •(S)-7-[[[2-O-6-deoxy-α-L-mannopyranosyl)-β-D-glucopyranosyl]oxy]-2,3-dihydro-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-4H-1-benzopyran-4-one; •Neohesperidin;
EC number	236-216-9
Molecular weight [g / mol]	610.56056
Formula	C ₂₈ H ₃₄ O ₁₅

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance of solution		complies	
Appearance		White or yellowish-white powder.	
Physical parameter			
Water content	Karl Fischer	≤ 12	%
Solubility		Practically insoluble in water, freely soluble in dimethyl sulfoxide, soluble in methanol and practically insoluble in methylene chloride.	
Identity			
Assay	HPLC	96,0 – 101,0	%
Infrared absorption spectrometry		complies	
Impurities			
Heavy Metals (as Pb)		≤ 10	ppm
Sulphated ash		≤ 0,2	%
Related substances		complies	
Microbiological data			
Escherichia Coli.		Absence	/g
Salmonella		Absence	/25g
Total Plate Count		≤ 1000	CFU/g
Yeast and Mould		≤ 100	CFU/g

Supplemental information:

Shelf life: 5 years

Note: Examination of HPLC profile: complies

Neither GMOs nor any material produced from GMOs is used in the production process of neohesperidin dihydrochalcone (NHDC), according to the "GMO" and "Produced from GMO" definitions laid down in Directive 2001/18/EC and EC Regulation 1830/2003.

Not for use as API

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 28. Mar. 2025

LF-Basis: (2005-04-15)

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