



## Specification

Concerning Product:	
Article number	13241333BPE
Trade name / designation / denomination	Neohesperidin DC, EP
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-oxanyloxy]-2-oxanyloxy]-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 <sub>28</sub> H <sub>34</sub> O <sub>15</sub>

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance of solution	complies	
Appearance	White or ywlluish-white powder	
<b>Physical parameter</b>		
Loss on drying	≤ 12,0	%
Solubility	Practically insoluble in water, freely soluble in dimethyl sulfoxide, soluble in methanol and practically insoluble in methylene chloride	
<b>Identity</b>		
Assay	HPLC: 96,0 – 101,0	%
Identification	HPCL: complies	
Infrared absorbtion spectrometry	conform to the reference	
<b>Impurities</b>		
Heavy Metals (as Pb)	≤ 10	ppm
Sulphated ash	≤ 0,2	%
Related substances	complies	% [w/w]
<b>Microbiological data</b>		
Escherichia Coli.	Negative	CFU/g
Salmonella	not detectable in 25 g	
Total Plate Count	≤ 1000	CFU/g
Yeast and Mould	≤ 100	CFU/g

### Regulatory information:

#### 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 22<sup>nd</sup> September 2003.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 02. Oct. 2019

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