



Specification

Concerning Product:	
Article number	13241333DLDC
Trade name / designation / denomination	Neohesperidin, DC
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	Specification	Unit
Organoleptic test		
Appearance	Off white Crystalline powder having a characteristic intense sweet taste .	
Physical parameter		
Loss on drying	≤ 11	%
Solubility	1% in Ethanol: clear	
Solubility	1% in Propylenglycol: clear	
Solubility	Freely soluble in hot water, very slightly soluble in cold water and practically insoluble in ether and benzene	
Identity		
Assay	≥ 96	%
Identification	a. Dissolve about 2 mg of product in 100 ml methanol .Measure absorbance of this solution in a suitable UV-VIS spectrophotometer in the range 250-400 nm.b. Dissolve about 10 mg of the product in 1 ml methanol, add 1 ml of a 1% 2-aminoethyldiphenyl borate methanolic solution A bright yellow colour is produced . spectrophotometer in the range 250-400nm .	

Impurities		
Heavy Metals (as Pb)	≤ 10	ppm
Sulphated ash	≤ 0,2	%
Elemental Impurities		
Arsenic (As)	≤ 3	ppm
Lead (Pb)	≤ 2	ppm
Microbiological data		
Escherichia Coli.	not detectable in 1 g	
Salmonella	not detectable in 25 g	
Total Plate Count	≤ 1000	CFU/g
Yeast and Mould	≤ 100	CFU/g

Supplemental information:

Shelf life: 5 years

Chemische Werke Hommel GmbH & Co.KG

This document was generated electronically and is valid without signature.

Waltrop, 27. Oct. 2021

We only confirm that we took over the data from our supplier accordingly. Despite careful working, errors in the takeover are not totally excluded. Some or all parts off the document may be translated due to our best knowledge from the original to give a better understanding. If you have any questions about specific details, please call us directly. Unless otherwise marked, these data do not originate from us and have not been tested by us on the correctness. The above information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. We make no warranties, expressed or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of our products for its particular application. The foregoing information does not absolve the buyer of its own tests. Observing existing laws and regulations, is the responsibility of the buyer of our product. Nothing included in this information waives any of our General Terms and Conditions of Sale, which control unless it agrees other in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing our products, are available upon request and are provided in compliance with applicable law. The user should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact us.