



Spezifikation

Produktbezug:	
Produktnummer	13241333DLDC
Handelsname / Bezeichnung	Neohesperidin, DC
CAS Nummer	13241-33-3
Andere Bezeichnungen / Synonyme	•(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; •Neohesperidin DC, Pulver;
EG Nummer	236-216-9
Molekulargewicht [g/mol]	610.56056
Formel	C ₂₈ H ₃₄ O ₁₅

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen	Cremefarbenes kristallines Pulver mit einem charakteristischen intensiven süßen Geschmack.	
Physikalische Parameter		
Trocknungsverlust	≤ 11	%
Löslichkeit	1% in Ethanol: klar	
Löslichkeit	1% in Propylenglycol: klar	
Löslichkeit	In heißem Wasser gut löslich, in kaltem Wasser sehr schwer löslich und in Äther und Benzol praktisch unlöslich	
Identifikation		
Gehalt	≥ 96	%
Identifizierung	a) Ca. 2 mg Produkt in 100 ml Methanol auflösen. Die Extinktion dieser Lösung in einem geeigneten UV-VIS-Spektrophotometer im Bereich von 250-400 nm messen. b) Ca. 10 mg Produkt in 1 ml Methanol auflösen, 1 ml zugeben einer 1% igen 2-Aminoethyldiphenylborat-Methanollösung Es entsteht eine hellgelbe Farbe. Spektralphotometer im Bereich 250-400nm.	

Verunreinigungen		
Schwermetalle (als Pb)	≤ 10	ppm
Sulphatasche	≤ 0,2	%
Elementare Verunreinigungen		
Arsen (As)	≤ 3	ppm
Blei (Pb)	≤ 2	ppm
Mikrobiologische Daten		
Escherichia Coli.	in 1 g nicht nachweisbar	CFU/g
Salmonellen	nicht nachweisbar in 25 g	
Gesamtkeimzahl	≤ 1000	CFU/g
Schimmel und Hefe	≤ 100	CFU/g

Zusätzliche Angaben:

Mindesthaltbarkeit: 5 Jahre

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 27. Oct. 2021

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