



Spezifikation

Produktbezug:	
Produktnummer	2124574PL1
Handelsname / Bezeichnung	Vitamin K2-7 1% +MCC
CAS Nummer	2124-57-4
Andere Bezeichnungen / Synonyme	•2methyl-3-all-trans-farnesyl digeranyl-1,4-naphthoquinone; •Menaquinone-7; •Vitamin K2 MK-7;
EG Nummer	
Molekulargewicht [g/mol]	649,01
Formel	C ₄₆ H ₆₄ O ₂

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen	weißes bis cremefarbenes Pulver	
Geschmack	geschmacklos	
Geruch	geruchlos	
Physikalische Parameter		
Trocknungsverlust	≤ 5,0	%
Löslichkeit	in Methanol: kaum löslich	
Löslichkeit	in n-Hexan und Ethanol: löslich	
Löslichkeit	in Wasser: unlöslich	
Identifikation		
Gehalt	Vitamin K2 (MK-7) ≥ 1,0	%
Identifizierung	mittels HPLC-Retentionszeit	
Verunreinigungen		
Schwermetalle (als Pb)	≤ 10	ppm
Elementare Verunreinigungen		
Arsen (As)	≤ 1	ppm
Cadmium (Cd)	≤ 1	ppm
Quecksilber (Hg)	≤ 0,1	ppm
Blei (Pb)	≤ 3	ppm

Mikrobiologische Daten		
Escherichia Coli.	Negative	
Salmonellen	Negative	
Staphylococcus Aureus	Negative	
Gesamtkeimzahl	≤ 10000	CFU/g
Schimmel und Hefe	≤ 200	CFU/g
Partikelgrößenverteilung		
Partikel	< 100 mesh: ≤ 15	%
Partikel	< 20 mesh: ≤ 100	%
Partikel	< 40 mesh: ≤ 85	%

Zusätzliche Angaben:

Mindesthaltbarkeit: 2 Jahre

Herleitung:

Trägerstoff: MCC (microcrystalline cellulose)

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 29. Feb. 2024

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