



Spezifikation

Produktbezug:	
Produktnummer	83885CL
Handelsname / Bezeichnung	Vitamin B2 (Riboflavin), Food
CAS Nummer	83-88-5
Andere Bezeichnungen / Synonyme	•Lactoflavin; •Lactoflavine; •Riboflavin; •Vitamin B2; •riboflavin;
EG Nummer	201-507-1
Zolltarifnummer / CN-Code	29362300
Molekulargewicht [g/mol]	376,37
Formel	C17H20N4O6

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Farbe	gelb bis orange	
Physikalische Parameter		
Form (Aggregatzustand)	kristallines Pulver	
Trocknungsverlust	≤ 1,5	%
Spezifische optische Drehung	-115 – -135	°
Sauer reagierende Substanzen	Prüfung der Farbe der Testlösung nach Zugabe der jeweiligen Lösungen: entspricht	
Identifikation		
Gehalt	(o.d.b.)* [EP/BP]: 97,0 – 103,0	
Gehalt	(o.d.b.)* [USP]: 98,0 – 102,0	%
Identifizierung	entspricht	
Verunreinigungen		
Schwermetalle (als Pb)	≤ 10	ppm
Verunreinigung	Lumiflavin [BP/EP]: Intensität im Vergleich zum Referenzlösung (C): ≤ 0,025	%
Verunreinigung	Lumiflavin [USP]: Absorption des Filtrats bei 440nm: ≤ 0,025	
Organische flüchtige Verunreinigungen		
Org. flücht. Veru. in Summe	Entspricht den Anforderungen der USP Methode IV <467>	
Partikelgrößenverteilung		
Partikel	< 60 mesh: ≤ 100	%

Anmerkung:

* o.d.b. = on dried basis / auf getrockneter Basis

Zusätzliche Angaben:

Mindesthaltbarkeit: 2 Jahre

Entspricht der Monographie: EP5, BP2008, USP38

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 21. Mar. 2022

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