



Spezifikation

Produktbezug:	
Produktnummer	83885V02
Handelsname / Bezeichnung	Vitamin B2 (Riboflavin), EP/BP/USP/E101i
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	Test Method	Specification	Unit
Physikalische Parameter			
Trocknungsverlust	EP/BP	≤ 1,5	%
Trocknungsverlust	USP	≤ 1,5	%
Identifikation			
Gehalt	E101(i)	≥ 98,0	%
Gehalt	EP/BP	97,0 – 103,0	%
Gehalt	USP	98,0 – 102,0	%
Verunreinigungen			
Glührückstand	EP/BP	≤ 0,1	%
Glührückstand	USP	≤ 0,3	%
Schwermetalle (als Pb)		(*) ≤ 10	ppm
Sulphatasche	EP/BP	≤ 0,1	%
Sulphatasche	USP	≤ 0,3	%
Verunreinigung	USP	Lumiflavin: A440 ≤ 0,025	
Verunreinigung	EP/BP	Lumiflavin: Not more intense than the principal spot in the chromatogram obtained with ref. sol. (C) 0,025%	
Restlösemittel			
Restlösemittel		Meet the USP requirements	
Elementare Verunreinigungen			
Arsen (As)		(*) ≤ 1,0	ppm
Cadmium (Cd)		(*) ≤ 1,0	ppm
Quecksilber (Hg)		(*) ≤ 0,1	ppm
Blei (Pb)		(*) ≤ 0,5	ppm

Mikrobiologische Daten			
Bacillus cereus		≤ 10	cfu/g
Kolibakterien		(*) ≤ 10	
Escherichia Coli.		(*) neg. in 1 g	
Enterobacteriaceae		(*) neg. in 1 g	
Pseudomonas aeruginosa		(*) neg. in 1 g	
Salmonellen		(*) neg. in 25 g	
Staphylococcus Aureus		(*) neg. in 1 g	
Gesamtkeimzahl		(*) ≤ 1000	CFU/g
Schimmel und Hefe		(*) ≤ 100	CFU/g

Zusätzliche Angaben:

Entspricht der Monographie: EP 5 / BP 2008 / USP-NF / E 101(i)

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 14. Jul. 2025

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