



Specification

Concerning Product:	
Article number	83885V01
Trade name / designation / denomination	Vitamin B2 (Riboflavin), EP/USP
CAS number	83-88-5
Other names / synonyms	•Lactoflavine; •Vitamin B2; •riboflavin;
EC number	201-507-1
Customs tariff number / CN code / TARIC	29362300
Molecular weight [g / mol]	376,37
Formula	C17H20N4O6

Parameter	Specification	Unit
Organoleptic test		
Appearance	Yellow or orange-yellow crystalline powder	
Physical parameter		
Loss on drying	≤ 1,50	%
Specific Optical Rotation	-115 ~ -135	°
Identity		
Assay	98,0 – 102,0	%
Identification	positive	
Impurities		
Residue on ignition	≤ 0,30	%
Impurity	Lumiflavin: 440 nm Absorbance 0.025 max.	
Elemental Impurities		
Arsenic (As)	≤ 2,0	mg/kg
Cadmium (Cd)	≤ 1,0	mg/kg
Mercury (Hg)	≤ 0,1	mg/kg
Lead (Pb)	≤ 3,0	mg/kg
Microbiological data		
Escherichia Coli.	Negative	
Salmonella	Negative	
Total Plate Count	≤ 1000	CFU/g
Yeast and Mould	≤ 100	CFU/g

Regulatory information:

Ethylene Oxide (EtO) Statement: Meet EC 396/2005

Supplemental information:

Shelf life: 36 month

Complies with monographie: EP, USP

Regional origin: China

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 10. Jul. 2025

LF-Basis: 2.3 (2025-04-30)

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