



Specification

Concerning Product:	
Article number	83885NLE
Trade name / designation / denomination	Vitamin B2 (Riboflavin), EP/ E 101(i)
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	≤ 1,5	%
Specific Optical Rotation	-135 – -115	°
Solubility	very slightly soluble in water, practically insoluble in ethanol (96%)	
Identity		
Assay	E 101(i) ≥ 98	%
Assay	Riboflavin (EP): 97,0 – 103,0	%
Identification	complies	
Infrared absorbtion spectrometry	A 444 / A 267 0,36 – 0,39	
Infrared absorbtion spectrometry	A373/A267 0,31 – 0,33	
Impurities		
Residue on ignition	≤ 0,3	%
Heavy Metals (as Pb)	≤ 10	ppm
Sulphated ash	≤ 0,1	%
Impurity	Lumiflavin ≤ 0,025	%
Elemental Impurities		
Arsenic (As)	≤ 3	ppm
Cadmium (Cd)	≤ 1	ppm
Mercury (Hg)	≤ 1	ppm
Lead (Pb)	≤ 2	ppm
Microbiological data		
Escherichia Coli.	not detectable in 1 g	CFU/g
Salmonella	not detectable in 25 g	CFU/g
Total Plate Count	≤ 1000	CFU/g
Yeast and Mould	≤ 200	CFU/g

Regulatory information:

Allergens statement: According to Annex II of Regulation (EU) No **1169/2011** of the European Parliament and of the Council of 25th October 2011 and its amendment (EU) No **78/2014** on substances or products the above mentioned product does NOT cause allergies or intolerances and does NOT contain any allergens which have to be labelled according to these regulations.

BSE/TSE statement: Das Risiko einer BSE / TSE-Kontamination kann ausgeschlossen werden.

GMO statement: Genetic engineering:

For the above mentioned product there is no obligation of g.m.o. labelling as defined by the Regulations (EC) No **1829/2003** and **1830/2003** of the European Parliament and the Council of 22nd September 2003.

Supplemental information:

Shelf life: 36 month

Note: Traceability

According to Regulation (EC) No **178/2002** the traceability of the raw materials for the product is guaranteed one step backwards and of produced batches one step forward. All instructions, which are necessary to take these steps, are implemented in the Quality manual and management system according to IFS and BRC.

Storage conditions: Protect from light and store cool and dry in well-closed original packaging. The temperature should not exceed 25 °C

Usage: The product is suitable for a vegetarian nutrition.

The product is suitable for a vegan nutrition.

The product is suitable for lactose intolerance diet.

The product is suitable for people with coeliac disease and sprue.

The product is in compliance with Jewish dietary laws.

The product is in compliance with Islamic dietary laws.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 11. Dec. 2019

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