



## Vitamin B2 (Riboflavin)

<b>INCI Name:</b>	<b>Riboflavin</b>
Trade name:	Vitamin B2
CAS-No.:	83-88-5
Application:	Cosmetics Nutrition
Packaging:	in drums
Filling Quantity:	10 kg 25 kg other package sizes on request
Shelf life:	up to 2 years, not opened
Storage conditions:	dry and cool, avoid direct sunlight and heat

ExperChem Rohstoff GmbH  
Birkenauer Talstr. 9  
69469 Weinheim  
Germany

Contact: Dr. Henry Haeusler  
henry.haeusler@experchem.com  
☎ +49 6201 39 29 50  
📠 +49 6201 18 70 43

Kosmetik-Rohstoffe von Experten

ExperChem



## Product Specification

# Vitamin B2 (Riboflavin)

Test	Specification	Batch No. HS190326
<b>Appearance</b>	orange yellow crystalline powder	conform
<b>UV Absorbance</b>	0,31 – 0,33 $A_{375nm}/A_{267nm}$ 0,36 – 0,39 $A_{44nm}/A_{267nm}$	0,32 0,38
<b>Infrared absorption spectrum</b>	TLC: conform with chromatogram obtained with the reference solution	conform
<b>Loss on drying</b>	< 1,5 %	0,2 %
<b>Residue on ignition</b>	< 0,3 %	0,1 %
<b>Specific rotation</b>	-120 - -140 °C	-131 °C
<b>Photosensitive flavin</b>	44nm Absorbance <0,025	0,013
<b>As</b>	< 0,0002 %	conform
<b>Heavy metals</b>	< 0,001 %	conform
<b>Assay</b>	98 – 102 %	99,6 %
<b>Total bacterial</b>	< 1000 cfu/g	< 10 cfu/g
<b>Yests/mold count</b>	< 100 cfu/g	< 10 cfu/g
<b>E.Coli</b>	negative	-
<b>Salmonella</b>	negative	-
<b>Pseudomonas</b>	negative	-
<b>Staphylococcus aureus</b>	negative	-
<b>Purity HPLC</b>	> 98 %	98,5 %