

Technical Data Sheet

Version: 1.0 EN

Vitamin B2 - Riboflavin

Article number: D10256

General Information

Origin	Riboflavin (vitamin B2) is a water-soluble B vitamin. It contributes to normal energy metabolism and the normal functioning of the nervous system. Riboflavin also helps to protect cells from oxidative stress and to reduce tiredness and fatigue.
CAS Number	83-88-5
EC Number	201-507-1
Appearance	Yellow-orange crystalline powder
Packaging	25 kg bags and small containers
Shelf life	48 months
Applications	Application in food and cosmetic
Allergens	None of the 14 main allergens added or contained
Compliance	Regulation (EC) No 1333/2008; E101i, Regulation (EU) No 1169/2011

Specification Values

Parameter	Value
Content	97.0 – 103.0 %
Specific rotation	-115° to -135°
Solubility	Very slightly soluble in water, practically insoluble in ethanol
Loss on drying	≤ 1.5 %
Sulphate ash	≤ 0.1 %
Arsenic	≤ 1 mg/kg
Lead	≤ 0.5 mg/kg
Mercury	≤ 0.1 mg/kg
Heavy metals	≤ 10 mg/kg
Cadmium	≤ 1 mg/kg
Total bacterial count	≤ 1000 KbE/g
Yeasts & moulds	≤ 100 KbE/g

DistrEbution GmbH
Brookdeich 40
D - 21029 Hamburg
VAT ID.: DE
317975177

Tel.: +49 (0)40 609 2387 - 60
Fax.: +49 (0)40 609 2387 - 89
Web.: distrebution.com
Mail.: info@distrebution.com

Commerzbank AG:
IBAN DE 73 2004 0000 0262 6539 00
BIC COBADEFFXXX
Haspa Hamburg:
IBAN DE 97 2005 0550 1500 5186 40
BIC HASPDEHHXXX

Managing Director:
Benjamin Lindenau
Commercial Register:
Hamburg
HRB 151065

E. coli	Negative
Salmonella	Negative in 25 g
Ethylene oxide	Not detectable

Nutritional Values

	Average Values (per 100g / 100ml)
Energy (kJ)	0
Energy (kcal)	0
Fat (g)	0
- Of which saturated fats (g)	0
Carbonhydrates (g)	0
- Of which sugars (g)	0
Fibre (g)	0
Protein (g)	0
Salt (g)	0

Additional Information

All details are based on our current state of knowledge and are not transferable to other products. They do not constitute a warranty or guarantee of specific properties or suitability for particular applications. Each use of our supplied products must be tested in the respective application and checked for any existing property rights. Color and form of the product may slightly vary within a production batch due to the manufacturing process.

DistrEbuton GmbH Brookdeich 40 D - 21029 Hamburg VAT ID.: DE 317975177	Tel.: +49 (0)40 609 2387 - 60 Fax.: +49 (0)40 609 2387 - 89 Web.: distrebution.com Mail.: info@distrebution.com	Commerzbank AG: IBAN DE 73 2004 0000 0262 6539 00 BIC COBADEFFXXX Haspa Hamburg: IBAN DE 97 2005 0550 1500 5186 40 BIC HASPDEHHXXX	Managing Director: Benjamin Lindenau Commercial Register: Hamburg HRB 151065
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