



Technical Data Sheet

Vitamin B2 Riboflavin 98-102% P.

PRODUCT INFORMATION

Origin	China
Source	Bacillus subtilis
CAS-No.	83-88-5
E-Number	E 101
Carrier	None

ITEM	SPECIFICATION
Assay	98.0%-102.0% (USP) 97.0%-103.0% (EP/BP)
Appearance*	Yellow to Orange Crystalline Powder
Identification	Positive
Sieve analysis	100% Through 60 Mesh
Loss on Drying	≤1.5 %
Specific Rotation	-115°~ -135°
Residue on Ignition	≤0.3% (USP) ≤0.1% (EP/BP)
Absorbance	0.31-0.33 A373nm/A267nm 0.36-0.39 A444nm/A267nm
Acidity or Alkalinity	Check the color of the test solution after adding the respective solutions
Lumiflavin	Absorbance of the filtrate at 440nm does not exceed 0.025 (USP) Not more intense than Reference sol.(C) 0.025% (BP/EP)
Organic Volatile Impurities	Method IV <467>(USP)

*The color may vary

STATEMENTS

Food Quality and Safety	According to Reg. (EC) 178/2002
Contaminants	According to Reg. (EC) 2023/915 and amendments
Preservative	Preservative Free Conforms
Residual Solvents	According to Dir. (EC) 2009/32 and amendments
Pesticides	According to Reg. (EC) 2008/839 and Reg. (EC) 2005/396
Polycyclic Aromatic Hydrocarbons (PAH)	According to Reg. (EC) 1933/2015: PAH 4- Sum of Benzo(a)pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene and Chrysene: <50µg/kg Benzo(a)pyrene: <10µg/kg
Microbiology	Bacterial Count: TAMC-Bacteria <10,000 cfu/g, TYMC <300 cfu/g, Salmonella negative, E. Coli negative,
GMO	Not Detectable, GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments
ETO	ETO free
Vegan	Vegan
Sterilization Method	High Temperature and Pressure
Irradiation	No ionization or other radiation is permitted According to Reg. (EC) 1992/2 and 1993/3 and amendments
BSE/TSE	Risk Free BSE/TSE
Allergen Labeling	According to Reg. (EC) 1169/2011
Nanomaterials	Absent According to Reg. (EC) 1169/2011
Titanium dioxide	Absent According to Reg. (EC) 2022/63
Pyrrrolizidine Alkaloids	in compliance with Reg. (EC) 2020/2040
Kosher / Halal	manufactured Conform
Packaging	According to Reg. (EC) Nr. 10/2011 and 1935/2004

STORAGE AND HANDLING

Storage	Store in a well-closed container away from moisture and direct sunlight
Shelf Life	2 years if sealed and properly stored
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