

Riboflavin Fine Powder (FP)

Vitamin B₂ (riboflavin) by *Ashbya gossypii*, pure

Chemical name(s) of active ingredient

Vitamin B₂, riboflavin, lactoflavin

CAS-No.	83-88-5
EINECS-No.	201-507-1

PRD

30519560

Articles

50174226	25 kg fibreboard box
50174430	10 kg fibreboard box
50174589	0.025 kg plastic film bags

Description

Yellow or orange-yellow, fine crystalline powder with a slight odor and a persistent bitter taste.

Benefits

Vegetarian, kosher, halal, allergen-free, gluten-free, naturally-derived

Composition

Riboflavin (vitamin B₂)

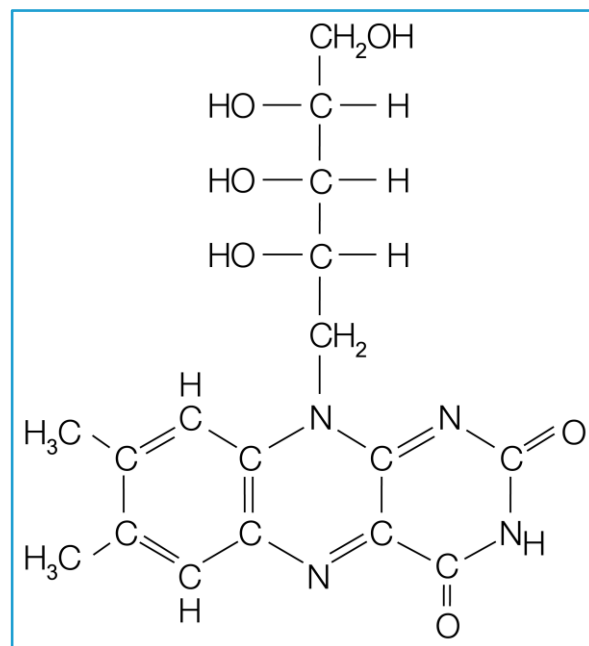
Solubility

Very slightly soluble in water. Practically insoluble in ethanol.

Specification

Assay Ph. Eur.	97.0 - 103.0 g/100g
Assay USP	98.0 - 102.0 g/100g
Assay JECFA	98.0 - 101.0 g/100g

For further information see "Product Specification" (not for regulatory purposes) available in BASF's Human Nutrition Virtual Assistants (<https://nutritionvirtualassistants.basf.com>).



C₁₇H₂₀N₄O₆

376.4 g/mol

Regulations

For quality documentation please see „Quality and Regulatory Product Information“ (QRPI, Quality Documentation). Riboflavin Fine Powder (FP) meets the requirements of the current monographs: "Riboflavin" Ph. Eur., "Riboflavin" USP, "Riboflavin" FCC, "Riboflavin" JP, "E101" EU directives for food colorants, "Riboflavin from *Ashbya gossypii*" JECFA. Riboflavin is approved for use as a food colorant and as vitamin B2 source in most countries. It is the obligation of the user to check the regulations on the ingredients used in the respective countries and for the intended use.

Stability and storage

Riboflavin is sensitive to light, alkaline substances and heavy metal salts and needs to be stored in a light-proof and airtight container. Reducing agents convert it to colorless leuco compounds. Riboflavin is resistant to heat in acid solutions in the absence of light. Stored in its unopened original packaging at temperatures not above 25 °C, in a dry place, the product is stable for at least 48 months.

Handling

It is recommended to use up the remaining contents quickly once the package has been opened. Because the product is hygroscopic, it is recommended to hermetically reseal the remaining product in the packaging.

Applications

For the fortification of powder food products and staple food, such as flour. Because of its fine particle size, it is particularly suitable for use as colorant in powder food products or powders, which must be dissolved in water or milk prior to consumption. For use in pharmaceutical applications, where a CEP is accepted.

Suitability of these applications is presented based solely on technical feasibility. Local prevailing legal or regulatory requirements are not considered and should be observed separately. This product has not been qualified by BASF for use in applications with specific requirements (e.g., medical nutrition, infant nutrition). Since BASF is not testing or manufacture the product to meet requirements which are applicable for these applications, it is under the customer's responsibility to qualify the product in case the customer intends to use this product in such applications. BASF disclaims any representations, warranties and guarantees of fitness for such particular uses.

Note

The product must be handled in accordance with the Safety Data Sheet.

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