

Riboflavin High Flow 100 (HF)

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

30519563

Articles

50175051	10 kg fibreboard box
50175050	25 kg fibreboard box
50175052	0.025 kg plastic film bags

Description

Yellow or orange-yellow, fine-grained, almost free-flowing crystalline powder.

Benefits

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

Composition

Riboflavin (vitamin B₂)

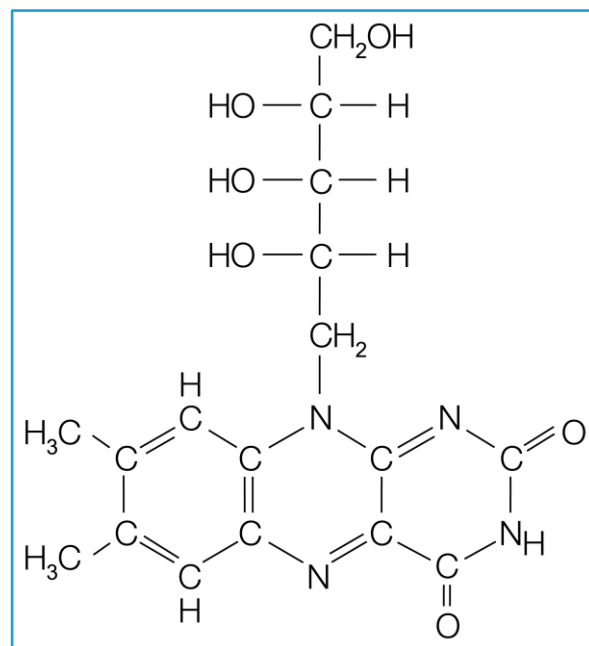
Solubility

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 High Flow 100 (HF) 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 all solid and liquid dosage forms such as tablets, hard shell capsules, effervescent and other instant formulae. Riboflavin High Flow 100 (HF) has been developed for the direct compression of high-dosage vitamin B complex tablets. It is ideal for use in multivitamin formulations and equally suitable for low-concentrated solutions and fine powders. In addition, it can be used as a colorant in liquid form and powder preparations, which must be dissolved in water prior to use. For the fortification of various food and beverage products, such as multivitamin juices, and instant-drink powders. Compared to our Riboflavin Fine Powder (FP), it shows better flowability. Therefore, it is much easier to handle, produces less dust and lower static charge. It is suitable 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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