



ANALYSIS CERTIFICATE

Lot/Analysis/Analysis N°: 242436

| | |
|-------------------|---|
| Product: | BIOTIN |
| Lot: | 242436 |
| Expiry date: | 12/06/2026 |
| Reference: | Cumple PhEur11.6 |
| Synonyms: | |
| Formula: | C ₁₀ H ₁₆ N ₂ O ₃ S |
| Molecular weight: | 244,31 g/mol |

| Assay | Result | Specification |
|---------------------------|-------------|---------------------|
| Identification | Conform (A) | Test RFE/Ph. Eur. |
| Organoleptic properties | Conform | RFE/Ph. Eur. |
| Appearance of solution S | Conform | Clear and colorless |
| Heavy metals | <= 10 ppm | <= 10 ppm |
| Related substances (HPLC) | Conform | |
| Loss on drying | 0,05% | <= 1,0 % |
| Sulphated ashes | 0,04% | <= 0,1 % |
| Specific rotation | (+90,9) | (+89,0) - (+93,0) |
| Assay (acid-base) | 98,8 % | 98,5 - 101,0 % |
| Impurity A | ND | <= 0,5 % |
| Impurity C | ND | <= 0,2 % |
| Impurity E | ND | <= 0,5 % |
| Unspecified Impurities | 0,04% | <= 0,10 % |
| Total impurities | 0,04% | <= 2,0 % |

Organoleptic characteristics: White or almost white, crystalline powder or colourless crystals. Very slightly soluble in water and in ethanol (96 per cent), practically insoluble in acetone. It dissolves in dilute solutions of alkali hydroxides.

Conservation: In tightly closed containers. Protect from light.

Date of analysis: 08/01/2025

Judgement:
APPROVED

Responsible: B.Chia

Technical director: Montserrat Enrique

| Product | Name | Capacity | Batch |
|---------|---------|----------|------------|
| 1115413 | BIOTINA | 1 g | 242436-D-1 |
| 1115413 | BIOTINA | 1 g | 242436-D-2 |
| 1115415 | BIOTINA | 100 g | 242436-J-1 |
| 1115415 | BIOTINA | 100 g | 242436-J-2 |

| | | | |
|---------|---------|-------|------------|
| 1115416 | BIOTINA | 250 g | 242436-N-1 |
| 1115416 | BIOTINA | 250 g | 242436-N-2 |
| 1200054 | BIOTINA | 5 g | 242436-E-1 |
| 1200054 | BIOTINA | 5 g | 242436-E-2 |
| 1200056 | BIOTINA | 25 g | 242436-G-1 |
| 1200056 | BIOTINA | 25 g | 242436-G-2 |

This certificate is not initialled as it is computer processed, it is validated with the originals available at Acofarma.

Original manufacturer's certificate available on request.

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