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## Biotin Liposomes

### Specification Sheet

**Description:** Liposome-based emulsion of biotin and other actives conducive to improved hair density and growth conditions. Beige-opaque, viscous, fluid; ethanolic, lecithin typical odor. pH value 6.3 - 7.3. Miscible in water.

**CAS:** 7732-18-5, 64-17-5, 81-13-0, 8002-43-5, 7695-91-2, 58-08-2, 58-85-5

**INCI Name:** Water, alcohol, panthenol, lecithin, tocopheryl acetate, caffeine, biotin

#### Benefits:

- Contributes to improve hair density, normalizing the ratio of anagen and telogen hair growth phases
- Improved delivery of active ingredients into the scalp and hair root area
- Able to enhance the bioavailability of hydrophilic and lipophilic actives for hair care applications
- Increase of hair density by 9% in male and 16% in female subjects in clinical studies

**Use:** Incorporate into water phase at or below 30°C (86°F) to formulations. Typical use level: 2-10%. Store at room temperature. For external use only.

**Applications:** Hair balms, hair growth & hair density treatments, hair conditioners, scalp treatments.

**Country of Origin:** Germany

**Raw material source:** No information available

**Manufacture:** Blend of biomolecules, phospholipids, vitamins and their derivatives.

**Animal Testing:** Not animal tested

**GMO:** GMO free

**Vegan:** Does not contain animal-derived components