

## TECHNICAL DATA SHEET: BIOTIN (VITAMIN H / VITAMIN B7)

### 1. CHEMICAL & PHYSICAL SPECIFICATIONS

- **Assay (Pure):** Min 98.0% (or 2% / 10% dilutions on carrier)
- **Specific Rotation:** +89.0°C to +93.0°C
- **Melting Point:** 229°C - 232°C
- **Appearance:** White crystalline powder or colorless crystals
- **Loss on Drying:** Max 1.0% (Pure grade)

### 2. SAFETY, CONTAMINANTS & LOGISTICS

- **Heavy Metals:** Pb < 2 ppm | As < 1 ppm
- **Storage:** Store in a cool, dry area; stable under light but sensitive to high heat
- **Shelf Life:** 36 months (Pure) / 24 months (Dilutions)
- **Packaging:** 1kg tins or 25kg cartons

### 3. COMPLIANCE DECLARATION

- Product is an essential growth factor for animal nutrition and human health
- Compliant with EU Regulation 1831/2003 for feed additives
- Produced via chemical synthesis; free from animal-derived materials