

Microvit™ B1 Promix Thiamine Mono

- **Description**

Microvit™ B1 Promix Thiamine Mono is a form of thiamine mononitrate. It is a free-flowing, white to cream colored powder. Microvit™ B1 Promix Thiamine Mono is formulated for use in premix facilities. It has excellent mixability as well as proven handling and storage characteristics. Microvit™ B1 Promix Thiamine Mono is used exclusively in the manufacture of animal feed products.
- **Composition**

Thiamine mononitrate: CAS N° [532-43-4]
 Chemical formula: $C_{12}H_{17}N_5O_4S$
- **Specifications**

Appearance: fine powder
 Color: white to cream
 Weight loss on drying (105° C for 2 hours): maximum 1%
 Thiamine mononitrate content: minimum 98%

- **Typical analysis***

Particle Size
 Below 180 micron: minimum 90%
 Below 45 micron: maximum 60%

Mass on Volume
 Non-tapped: 0.52 g/cm³
 Tapped: 0.87 g/cm³

Solubility in water
 Relatively soluble (1 g/37ml)

*This data which results from careful tests on representative samples is provided for informational purposes only and does not in any way constitute a guarantee.
- **Packaging**

25 kg cardboard box (500 kg/pallet)
- **Guarantee**

36 months from date of production in original, unopened packaging stored in a cool, dry place.

- **Method of Analysis**

Reference: European Pharmacopoeia (EP)
 Volumetry by Titration with Perchloric Acid in Anhydrous Medium
- **Safety**

Reference: Material Safety Data Sheet (MSDS) Microvit™ B1 Promix Thiamine Mono