



# Microvit® B1 Promix Thiamine Mono

QUALITY STANDARD

REF: 409 V5 (10/03/2016)\_EN

## DESCRIPTION

Microvit® B1 Promix Thiamine Mono is a form of thiamin mononitrate. Microvit® B1 Promix Thiamine Mono is a free-flowing white to cream colored powder. The presentation of Microvit® B1 Promix Thiamine Mono has been studied to facilitate its use in premix facilities, in particular in storage, handling and dosing operations. This product is exclusively used in premixes and compound feeds for animal nutrition. Thiamine mononitrate may be used via water for drinking.

## COMPOSITION

Thiamin mononitrate CAS N° [532-43-4]	Chemical synthesis	Min. 98 %
Water (moisture)		Max. 2 %
<b>Total</b>		<b>100%</b>

## SPECIFICATIONS

Appearance	fine powder
Color	white to cream
Thiamin mononitrate content (on dry matter) (1 mg of thiamin mononitrate contains 0.92 mg of thiamin)	min. 98%
Weight loss on drying (105°C - 2h)	max. 1%
Chemical formula	C <sub>12</sub> H <sub>17</sub> N <sub>5</sub> O <sub>4</sub> S

## DURATION OF GUARANTEE AND STORAGE CONDITIONS

36 months from date of the manufacture, keep in original unopened packaging stored well closed in a cool dry place.

## PHYSICAL AND CHEMICAL PROPERTIES

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

Particle size < 50 µm	approx. 95%
Non tapped density	approx. 0.3 g/cm <sup>3</sup>
Tapped density	approx. 0.6 g/cm <sup>3</sup>
Solubility in water	relatively soluble (27 g/l at 20°C)
pH (2% solution)	6.5 to 7.5

## PACKAGING

25 kg cardboard boxes (500 kg pallet).



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## USE

### LABELING RECOMMENDATIONS:

May be used also via water for drinking.

## METHODS OF ANALYSIS

Analytical method used for routine control of product conformity: internal method B110.

Results obtained by using method B110 allow us to guarantee product compliance when using the official method established by European Regulation.

## SAFETY INFORMATION

Product MSDS (Material Safety Data Sheet) available on [www.quickfds.com](http://www.quickfds.com).

For user safety: breathing protection, safety glasses and gloves should be worn during handling.

## REGULATION

EU : Vitamins, pro-vitamins and chemically well-defined substances having similar effect. 3a821. Thiamine mononitrate :min. 98% (980 000 mg/kg).

3a821 - Regulation N° 2015/897 of 11 June 2015.

All animal species.

This product is compliant with Directive 2002/32/EC of the European Parliament and of the Council on undesirable substances in animal feed.

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