



Microvit® K3 Promix MNB 96%

QUALITY STANDARD

REF: 426 V6 (28/02/2017)_EN

DESCRIPTION

Microvit® K3 Promix MNB 96% is a source of stabilized vitamin K3. Microvit® K3 Promix MNB 96% is a white to cream-colored fine powder. This product provides both vitamine K3 in the form of menadione (43.7% min) and vitamin B3 in the form of nicotinamide (about 31%). The MNB form is more stable than the MSB form (menadione sodium bisulfite), soluble and particularly recommended for aggressive premixes and pelleted feeds. The additive shall be incorporated into feed in the form of a premixture for all animal species.

COMPOSITION

Water (moisture)		Max. 4 %
«Menadione nicotinamide bisulphite» or «Vitamin K3», CAS N° [73581-79-0]	Chemical synthesis	96 %
Total		100%

SPECIFICATIONS

Appearance	fine powder
Color	yellow to light brown
Menadione content	min. 43.9%
Nicotinamide content	min. 31.2%
Chromium	≤ 142 mg/kg
Humidity (Karl Fischer)	1.5% max.
Chemical formula	C ₁₇ H ₁₆ O ₆ N ₂ S

DURATION OF GUARANTEE AND STORAGE CONDITIONS

24 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 > 500 µm	< 5 %
Particle size < 100 µm	approx. 35%
Angle of repose	36 °
Density	0.6 to 0.8 g/cm ³
Solubility in water	slightly soluble in water (< 20g / l)



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PACKAGING

25 kg cardboard boxes (500 kg pallet).

USE

LABELING RECOMMENDATIONS:

The additive shall be incorporated into the feed via a premixture.

METHODS OF ANALYSIS

Analytical method used for routine controls of product conformity: internal method B135 (H.P.L.C.).

SAFETY INFORMATION

Product MSDS (Material Safety Data Sheet) available on www.quickfds.com.

Appropriate measures shall be taken to avoid the chromium emission in the air and prevent the exposure by inhalation or by dermal route. If such measures are technically not feasible or not sufficient, protective measures shall be taken according to national regulations implementing Union legislation on health and safety at work including Directives 89/391/EEC, 89/656/EEC, 92/85/EEC, 98/24/EC and 2004/37/EC. Appropriate protective gloves, respiratory and eye protection according to Directive 89/686/EEC shall be worn during handling.

REGULATION

EU : Vitamins, pro-vitamins and chemically well-defined substances having similar effect. 3a711. Menadione nicotinamide bisulphite or vitamin K3. Guaranteed analysis : min. 96 % menadione nicotinamide bisulphite complex which corresponds to min. 43,9 % menadione and min. 31,2 % nicotinamide.

3a711 - Regulation N° 2015/2307 of 10 December 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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