



Microvit® A Supra Ruminant

QUALITY STANDARD

REF: 406 V4 (20/10/2015)_EN

DESCRIPTION

Microvit® A Supra Ruminant is a source of stabilized vitamin A acetate, specially designed for ruminants. Its unique enhanced coating allows its vitamin A to be fully protected in the rumen and completely absorbed in the small intestine. This product is well suited for use in aggressive premixes and feed manufacturing processes with significant technological constraints, and promotes good mixability in feeds to ensure the perfect homogeneity of vitamin A in feeds. This product should be incorporated into feed in the form of premixture.

COMPOSITION

Retinyl acetate (Vitamin A), CAS N° [127-47-9]		38.9 %
Gelatin		26.5 %
BHT (E 321)	Chemical synthesis	10.7 %
Glucose syrup		8.1 %
Silicic acid, precipitated and dried (E 551a)	Chemical synthesis	4.8 %
Fatty acid esters	Vegetable	4.5 %
Glycerin		4 %
Moisture		2.5 %
	Total	100%

SPECIFICATIONS

Appearance	free-flowing powder of spherical particles
Color	reddish brown with traces of white particles
Vitamin A content	min. 1 000 000 IU/g
Weight loss on drying (105°C - 4h)	max. 5%
Chemical formula	C ₂₂ H ₃₂ O ₂

DURATION OF GUARANTEE AND STORAGE CONDITIONS

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



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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	max. 10%
Particle size < 160 µm	approx. 20%
Angle of repose	approx. 30°
Non tapped density	0.65 g/cm ³
Tapped density	0.7 g/cm ³
Solubility in water	insoluble
Solubility in organic solvents	insoluble
Solubility in basic solution	solubilized with destruction of the coating, accelerated by heat

PACKAGING

25 kg bags (500 kg pallet).

USE

Keep away from light.

LABELING RECOMMENDATIONS:

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

METHODS OF ANALYSIS

Reference : internal method - A 700.

Determination of vitamin A by UV spectrophotometry at 325 nm.

A saponification and several extractions are required prior to spectrophotometric analysis to separate vitamin A from the protective coating.

SAFETY INFORMATION

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

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



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REGULATION

EU : Vitamins, pro-vitamins and chemically well-defined substances having similar effect. 3a672a. Retinyl acetate (Vitamin A): min. 1,000,000 IU/g. Other ingredient: BHT (E 321) 12%.

3a672a - Regulation N° 2015/724 of 05/05/2015.

Maximum content per species or category of animal: see on the back.

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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