



# Microvit® A Supra 1000

QUALITY STANDARD

REF: 405 V5 (20/10/2015)\_EN

## DESCRIPTION

Microvit® A Supra 1000 is a source of stabilized vitamin A acetate. The unique coating process provides a product that has improved vitamin stability, 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		21.2 %
BHT (E 321)	Chemical synthesis	10.7 %
Glucose syrup		10.2 %
Silicic acid, precipitated and dried (E 551a)	Chemical synthesis	9.2 %
Fatty acid esters	Vegetable	7.3 %
Moisture		2.5 %
	<b>Total</b>	<b>100%</b>

## SPECIFICATIONS

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

## 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.*

<b>Active particles</b>	> 160 000/g
<b>Particle size &gt; 500 µm</b>	max. 10%
<b>Particle size &lt; 160 µm</b>	approx. 20%
<b>Angle of repose</b>	approx. 30°
<b>Non tapped density</b>	0.65 g/cm <sup>3</sup>
<b>Tapped density</b>	0.7 g/cm <sup>3</sup>
<b>Solubility in water</b>	insoluble
<b>Solubility in organic solvents</b>	insoluble
<b>Solubility in basic solution</b>	solubilized with destruction of the coating, accelerated by heat

## PACKAGING

25 kgs bags (500 kgs pallet); 500 kgs big bags (500 kgs 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](http://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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