

Microvit[®] A Supra 1000

Quality standard



1. Description

Microvit[®] A Supra 1000 is a stabilized source of 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 and promotes good mixability in feeds. Microvit[®] A Supra 1000 is exclusively used in the manufacture of animal feed products.

2. Specifications

Potency		vitamin A content: min. 1 000 000 I.U./g
Composition		vitamin A (retinyl acetate)
CAS N°		[127-47-9]
Chemical formula		C ₂₂ H ₃₂ O ₂
Ingredients		Digestible coating: gelatin, carbohydrate. Antioxydant : BHT
Appearance		free-flowing powder of spherical particles
Colour		reddish brown with traces of white particles
Weight loss on drying	(105°C – 4 h)	max. 5%

Particle size profile*

angle of repose	approx. 30°
above 500 µm	max. 5%
below 160 µm	approx. 20%

Density*

not tapped	0.65 g/cm ³
tapped	0.70 g/cm ³

Solubility*

in water	insoluble
in organic solvents	insoluble
in basic solution	solubilized with destruction of the coating, accelerated by heat

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

3. Method of Analysis

Reference Internal method – A 700

Description 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.

4. Duration of Guarantee

15 months from date of manufacture in original unopened packaging stored in a cool, dry place away from light.

5. Packaging

25 kg paper bags lined with a polyethylene aluminium complex (500 kg/pallet)

6. Safety Measures

Reference Material Safety Data Sheet (MSDS) Microvit[®] A Supra 1000.
Risk sentences: T, R61, S36/37, S45, S53

Updated: 01/01/2006



Microvit[®]



Rhodimet[®]



Rovabio[®]



Smartamine[®]
MetaSmart[®]

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