



Microvit® AD3 Supra 1000-200

QUALITY STANDARD

REF: 408 V5 (20/10/2015)_EN

DESCRIPTION

Microvit® AD3 Supra 1000-200 is a source of vitamin A acetate and stabilized vitamin D3. 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 and vitamin D3 in feeds. This product should be incorporated into feed in the form of premixture.

COMPOSITION

Retinyl acetate (Vitamin A), CAS N° [127-47-9]		38.8 %
Vitamin D3 (Cholecalciferol, E 671), CAS N° [67-97-0]		0.5 %
Gelatin		20.5 %
BHT (E 321)	Chemical synthesis	10.7 %
Glucose syrup		9.6 %
Silicic acid, precipitated and dried (E 551a)	Chemical synthesis	9.2 %
Fatty acid esters	Vegetable	7.3 %
Sunflower oil		0.9 %
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
Vitamin D₃ content	min. 200 000 IU/g
Weight loss on drying (105°C - 4h)	max. 5%
Chemical formula vit.A	C ₂₂ H ₃₂ O ₂
Chemical formula vit.D₃	C ₂₇ H ₄₄ O

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.

Active particles	approx. 160 000/g
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); 500 kg big bags (500 kg pallet).

USE

Keep away from light.

LABELING RECOMMENDATIONS:

The additive shall be incorporated into the feed via a premixture. Simultaneous use of vitamin D2 prohibited.

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.

Reference : internal method - D 809.

Determination of vitamin D₃ by High Performance Liquid Chromatography (HPLC).

A saponification and several extractions are required prior to analysis to separate vitamin D₃ from the protective coating.



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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.

REGULATION

EU : Vitamins, pro-vitamins and chemically well-defined substances having similar effect. 3a672a. Retinyl acetate (Vitamin A): min. 1,000,000 IU/g. Vitamin D3 (Cholecalciferol, E 671): min. 200,000 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.

Vitamin D/Vitamin D3: E 671
(re-authorization in process)

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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