



## PRODUCT INFORMATION

1. **Product name:** Alpha D3  
**Product type:** Feed additive

2. **Manufacturer**

**ADITIVOS Y QUÍMICOS S.A.S - ADIQUIM S.A.S**

Address: Kilómetro 1.5 Autopista Medellín – Bogotá vía aeropuerto José María Córdoba. Guarne, Antioquia – Colombia.

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Legal representative: Mauricio Mesa Mesa

Technical director: María Isabel Montoya

Profession technical director: Zootechnician, registration no. 8884

ICA registration No. 00052002020

Country of origin: Colombia

This product is manufactured under license of Vitamin Derivatives, INC.

3. **Guaranteed composition and ingredients**

3.1. Guaranteed composition in 1000 grams:

1-alpha-Hydroxyvitamin D <sub>3</sub> (min)	
0.04%	15.380.000 IU/kg

3.2. Formula in 1000 grams:

Ingredients	Quantity (g)	Percentage (%)	Function
1-alpha-Hydroxyvitamin D <sub>3</sub>	0.4	0.04	Source of Vitamin D3
Dextrin	918.1	91.81	Excipient
Peanut oil	60.0	6.00	Excipient
Sorbitan monostearate	10.0	1.00	Emulsifier
Sodium Benzoate	5.0	0.50	Preservative
FD&C Green 3	2.5	0.25	Colorant
Butylated Hydroxytoluene	2.0	0.20	Antioxidant
Sorbic Acid	2.0	0.20	Preservative



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#### 4. Quality control parameters

Parameter	UNIT	SPECIFICATIONS	TEST METHOD
Appearance	N.A.	Powder	Organoleptic
Color	N.A.	Green	Organoleptic
Odor	N.A.	Odorless	Organoleptic
1-alpha-Hydroxyvitamin D3	IU/kg	15.380.000	HPLC Internal method based in British Pharmacopoeia
Moisture	%	Max. 5	Gravimetric
Ash insoluble in HCl	%	Max. 3	ISO 5985:2002
Cadmium (Cd)	ppm	Max. 2	SM 3120 A, B Ed. 23 Modified
Lead (Pb)	ppm	Max. 10	SM 3120 A, B Ed. 23 Modified
Mercury (Hg)	ppm	Max. 0,1	US EPA 7473 2007
Arsenic (As)	ppm	Max. 2	SM 3120 A, B Ed. 23 Modified
Aerobic mesophilic plate count	CFU/g	Max. 100	AOAC 966.23 Ed. 21, 2019
Molds and yeasts plate count	CFU/g	Max. 10	NTC 5698-2:2009 (ISO 21527-2:2008)
Total coliform plate count	CFU/g	Max. 10	AOAC 041002 Ed. 21, 2019
Detection of Escherichia coli	CFU/10g	Negative	AOAC 966.24 Ed. 21, 2019
Detection of Salmonella spp	CFU/25g	Negative	AOAC 967.25-27 Ed. 21, 2019

#### 5. Product properties:

Alpha D<sub>3</sub>, is a metabolite of the vitamin D<sub>3</sub>, which bypasses hydroxylation in the kidney, delivering a greater amount of the active form of the vitamin D<sub>3</sub> (1 $\alpha$ -25-(OH)<sub>2</sub>D<sub>3</sub>), improving Ca metabolism and absorption in the bone.

#### 6. Indications:

Target animal species:  
Poultry in all its stages of life.

Indications for use:  
Source of vitamin D<sub>3</sub> to be supplemented in the diet of poultry.

Recommended quantity:  
It is recommended to use 12.5 grams per metric ton of feed for a supply of 5  $\mu$ g of Vitamin D<sub>3</sub> in one kilogram of feed (equivalent to 192,000 IU of vitamin D<sub>3</sub> cholecalciferol), see table:

Specie	Recommended quantity
Poultry	12,5 g/MT





## 7. Storage

Store the product tightly closed in its original package; in a dry and cool place, away from sunlight and sources of ignition. Do not store above 30°C and 75% RH.

## 8. Precautions

- Read the label before using the product.
- Use in the recommended species.
- Use complete safety equipment for handling (respirator with filter, gloves, goggles, overalls, and safety footwear).
- Transport on pallets, in a closed vehicle, and protected from moisture.
- Color variations do not affect the product quality.
- The product is not hazardous to public health, animal, and the environment.
- Dispose of according with the legislation of each country.
- Not for human consumption.
- Keep out of the reach of children and pets.
- Does not require withdrawal time.
- Veterinary use.
- For animal feed use only.

## 9. Specific warnings regarding the use of the product in the target animals

Do not exceed the permissible limits of 5000 IU of vitamin D3 per kilogram of feed. The contribution of Calcium in the diet should not exceed the recommended nutritional guidelines for each species and genetic line levels.

## 10. Shelf life:

Under optimal storage conditions, the product is valid for 18 months after its manufacture.

## 11. Packaging

**Presentation:** 10 kg.

**Packaging specifications:** Plastic pail with lid and handle with an inner foil bag with heat sealing closure, impermeable to moisture and air.

**Quality control of packaging:** Certified according to regulations for food contact. Dimensions (diameter, weight, length, width) should be equal to the reference patterns or samples and / or data sheets, clean interior, dry, free of dirt, dust and moisture. Printing and texture must match patterns or reference samples and / or data sheets.

**Disposal method container or package:** Disposal of container or package must be done with the precautions for environment regulated by local entity (do not burn, not throw to the public road). Should be taken into account the norms and regulations set forth in the legislation corresponding to handling of substances with regard to health and pollution.



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