

PIXAFIL® ROJO POLVO 540 – Technical specifications data sheet

Premix of additives (Flavouring compounds 2b) for poultry

1. GENERAL DESCRIPTION

Pixafil® Rojo Polvo 540 is a natural extract produced from several types of peppers (*Capsicum* sp) and Marigold flowers (*Tagetes erecta*), in powder form and ethoxyquin free. Pixafil® Rojo Polvo 540 is used exclusively as a natural pigment supplement in poultry feed. Its inclusion in the feed ration gives an orange reddish color in broiler skin or in egg yolks.

2. INGREDIENTS

Flavouring substances of botanical origin extracted of red peppers (*Capsicum annum*) and Marigold flowers (*Tagetes erecta*) and Marigold meal bagasse as an inert carrier.

3. PHYSICO-CHEMICAL PROPERTIES

Pixafil® Rojo Polvo 540 is a stabilized free flowing powder.

Form:	Brown reddish powder
Odor:	Characteristic of red peppers
Main components:	trans-Capsanthin (E-160 c). Category: 2 – Functional group: a. CAS No.: 465-42-9, EINECS No.: 207-364-1. β-cryptoxanthin (E-161 c). Category: 2 – Functional group: a. CAS No.: 472-70-8. trans-Lutein (E-161 b). Category: 2 – Functional group: a. CAS No.: 127-40-2, EINECS No.: 208-840-0. trans-Zeaxanthin (E-161 h). Category: 2 – Functional group: a. CAS No.: 144-68-3, EINECS No.: 205-636-4.
Solubility:	Soluble in organic solvents such as hexane, toluene, acetone, ethanol.
Loss on drying:	15,0 % maximum
Particle size:	10% maximum retention on mesh 20 ASTM

Guaranteed chemical analysis:

Total xanthophylls and carotenoids:	5,0 g/kg minimum (Method AOAC 970.64 – 15 th Ed)
Saponified total xanthophylls:	95,0 % minimum (Internal method)
Saponified red xanthophylls:	40,0 % minimum by HPLC (Internal method)

Xanthophylls proportion (HPLC):

Capsanthin (E-160 c):	1,75 g/kg
Cryptoxanthin (E-161 c):	0,35 g/kg
Lutein (E-161 b):	0,60 g/kg
Zeaxanthin (E-161 h):	0,65 g/kg

PIXAFIL® ROJO POLVO 540 – Technical specifications data sheet

Premix of additives (Flavouring compounds 2b) for poultry

Proximate bromatological analysis:

Moisture:	15 % maximum (Gravimetric method NOM-116-SSA1-1994)
Crude protein:	10 – 12 % (Volumetric method NMX-F-608-Normex2002)
Crude fat:	5 – 10 % (Gravimetric method NOM-086-SSA1-1994)
Ash:	9 – 12 % (Gravimetric method NMX-F-607-Normex2002)
Carbohydrate per difference:	60 – 68 %

4. RECOMMENDATIONS AND USES

Recommended use:

Pixafil® Rojo Polvo 540 can be used as sole source of xanthophylls and carotenoids or in combination with other natural or synthetic xanthophylls and carotenoids. The inclusion of Pixafil® Rojo Polvo 540 may vary according to the standards established by the user. The recommended dosage varies between 100 and 2.000 grams per tonne of feed depending on xanthophylls concentration in the feed ration and on the required color. Consult our Technical Department or your nutritionist.

Authorised dosage:

Maximum content of 80,0 grams of total xanthophylls and carotenoids, that is, 16,00 kg of Pixafil® Rojo Polvo 540 per 1.000 kg of feed.

5. STORAGE AND TRANSPORT

Standard packaging: 20 kg of product in high density polyethylene bag inside a kraft paper bag.

Storage: Keep in dry place, protected from light, air and high temperatures.

6. STABILITY

If the product is kept sealed in its original packaging in a dry place between 10 °C and 25 °C, the expiration date is at least 12 months after the date of manufacture.

7. INFORMATION ON SAFETY AND TOXICOLOGY

Pixafil® Rojo Polvo 540 is an innocuous and non-toxic product, 100% natural. Without regulation regarding feed withdrawal periods and regarding feed use for broilers and laying hens.

For further information please refer to the Material Safety Data Sheet.

PIXAFIL® ROJO POLVO 540 – Technical specifications data sheet

Premix of additives (Flavouring compounds 2b) for poultry

8. DIOXINS

Dioxins (sum of PCDDs and PCDFs): < 1.0 ng WHO-PCDD/FTEQ/kg

Sum of dioxins and dioxin like PCBs (sum of PCDDs, PCDFs and PCBs): < 1.5 ng WHO-PCDD/FTEQ/kg

Non- dioxin-like PCBs (sum of PCB (28, 52,101, 138, 153 and 180)): < 10 ppb

9. CERTIFICATE OF ANALYSIS OF OTHER UNDESIRABLE SUBSTANCES

Arsenic (As) < 2 mg/kg

Lead (Pb) < 5 mg/kg

Fluorine (F) < 150 mg/kg

Cadmium (Cd) < 0,5 mg/kg

Mercury (Hg) < 0,1 mg/kg

10. GMO CERTIFICATE

As set out in the *Regulation (EC) No 1829/2003* and the *Regulation (EC) No 1830/2003* the manufacturer certifies this product:

- *does not contain GMO*
- *has not been produced from genetically modified organisms*
- *does not contain ingredients produced from genetically modified organisms*
- *does not require labeling in respect of the content of genetically modified organisms or the production from genetically modified organisms and/or with raw material and/or processing containing genetically modified organisms.*

The data contained in this Technical Specifications Data Sheet are based on the data submitted by the manufacturer of the product.