



XANTHOPHYLL

A NATURAL PIGMENT EXTRACTED FROM
MARIGOLD FLOWERS (TAGETES ERECTA)

FOR POULTRY

- Egg yolk pigmentation
- Broiler skin pigmentation

FOR AQUACULTURE

- Flesh pigmentation in salmon and shrimps
- Skin pigmentation in sea bream and ornamental fishes

AVAILABLE GRADES FOR FEED

- Xanthophylls 2% and 4%
- Higher also available

Tests	Specification	Protocol
Physical		
Description	Yellow to yellowish brown powder	Organoleptic
Identification	To comply by HPLC	HPLC
Loss on drying	Not more than 5.0% w/w	USP <731>
Loose bulk density	Between 0.30g/ml and 0.60g/ml	USP <616>
Tapped bulk density	Between 0.40g/ml and 0.80g/ml	USP <616>
Sieve test (Passes through) - 40 mesh	Not less than 100% w/w	USP <786>
Chemical		
Content of Total Xanthophylls by UV	Not less than 2 to 4.0% w/w and not more than 6.0% w/w	UV
Content of Lutein by HPLC	Record	HPLC
Content of Zeaxanthin by HPLC	Record	HPLC

DOSAGE

- The dose is desired by the depth /intensity of color required/expected.



Control

Xanthophyll 2%
400gm/Ton

Xanthophyll 3%
300gm/Ton

Minimum dose is 300 gram per MT of feed.

- a. In layers we have to use the products from 19th week of age or in the early laying age. This will take 8-10 days to see a visible change in color of yolk. We have to use product regularly through feed
- b. In Broilers: Start feeding the products through feed medium from 3rd week of age till disposal of birds. We can see visible changes in color of beak & shank region after 2 weeks of medication

FEATURES

- Kosher and Halal Certified
- GMO, BSE/TSE free product
- Non – irradiated and not treated with ETO
- Stable for 2 years in unopened original package

PACKING

- Packed in double layered food grade polythene bag and vacuum sealed. The sealed polythene pouch is placed in a black HDPE pouch and hermetically sealed followed by HDPE Container
- **Standard Pack size :**
5kg or 25kg in single HDPE Container (50 L)

Note: Products will not be offered nor will be supplied to countries where concerned products are protected by Patents. It is the purchaser's responsibility to ensure that the product(s) requested are not covered by patent in their country.



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