

**FLORAFIL-93 POWDER****30 gr/kg****SPECIFICATIONS SHEET**

CODE: HE-ID-04

Rev : 03

Page 1 of 2

DESCRIPTION: Product made from the extract of Marigold meal (*Tagetes erecta*), stabilized with antioxidant and incorporated in inert carriers.

PHYSICAL AND CHEMICAL CHARACTERISTICS

Total Xanthophyll:	30 gr/kg minimum
Moisture content:	12 maximum
pH:	11 to 13
% Saponification:	95 minimum
Density:	0.5 to 0.7 gr/cc
Particle size:	A minimum of 85% passes through No. 30 U.S. mesh
Color:	Yellowish-brownish

RELATIVE PARTITION BY HPLC

Total Dihydroxypigments:	90 to 98 % (*)
Dihydroxylutein:	82 to 90 %
Dihydroxyzeaxanthin:	3 to 7 %
Total Monohydroxypigments:	1 to 6 % (*)
Monohydroxycryptoxanthyn:	0.5 to 4.5%
Total Carotenes:	0.2 to 2 % (*)
Total Xanthophyll Esters:	0.2 to 0.5 % (')

(*) Relative to Total Xanthophyll Content (A.O.A.C.)

Uses:

Used extensively in the poultry industry for pigmentation of skin and egg yolks. Useful in shrimp culture since *Litopenaeus* have the capacity of transforming lutein and zeaxanthin into astaxanthin. It may also be used in commercial fish feed or for coloration of ornamental fish.

Packaging:

Plastic bags with moisture and oxygen barriers inside a multilayer paper bag with 20 kg net weight and sealed under inert gas. May be packed in other presentations if requested by the customer.