



FLORAFIL-93 LIQUID
15 gr/kg

SPECIFICATIONS SHEET

HE-ID-02

Rev: 01

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

PHYSICAL AND CHEMICAL CHARACTERISTICS

Total Xanthophyll:	15 gr/kg minimum
% Solids:	10 to 15
pH:	13.5 maximum
% Saponification:	95 minimum
Density:	0.98 to 0.99 gr/ml
Viscosity:	13 to 22 cps to 25°C
Dispersion test in water:	Free of clots and suspended particles.

RELATIVE PARTITION BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Total Dihydroxypigments:	95 to 98 % (*)
Dihydroxylutein:	81 to 89 %
Dihydroxyzeaxanthin:	5 to 8 %
Total Monohydroxypigments:	1 to 3 % (*)
Monohydroxycryptoxanthin	0.2 to 1.0 %
Total Carotenes:	0.2 to 2.0 % (*)
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.

Shipping:

Florafil 93 Liquid may be shipped in tank cars with 23 tons net weight, in plastic drums with 200 kg or in plastic carboys with 20 kg.