

	FLORAFIL-93 LIQUID 11 gr/kg	SPECIFICATIONS SHEET	
		CODE: HE-ID-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:	11 gr/kg minimum
% Solids:	6 to 11
pH:	10 to 13
% Saponification:	95 minimum
Density:	0.98 to 0.99 gr/c.c.
Viscosity:	15 to 35 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	0.5 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.

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.