



Shivaay Chemical Industries

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Basement Shop 1180, Juna Madhupura, Nr Mahajan Clinic, Delhi Darwaja, Ahmedabad 380004.

Contact Us : 999 808 2797 / 999 808 2540 Email : sales@shivaaychemicalindustries.com

SPECIFICATION OF FAST GREEN FCF

Classification: -

1)	Color Index No	42053
2)	EEC No.	- -
3)	FD & C No	Green 3
4)	HUE Name	Food Green 3
5)	Class	Triaryl Methane

Specification: -

Sr.	Characteristic	Requirement
1)	Shade	
2)	Total dye content, corrected for sample dried at 135°C for 3 hrs. Percent by Mass, min.	85.00
3)	Loss on drying at 135°C, Percent by mass and chlorides & Sulphates express as sodium salts, percent by mass Max.	13.00
4)	Water-insoluble matter, percent by mass, Max.	00.20
5)	Combined ether extracts, percent by mass, Max.	00.20
6)	Subsidiary dyes, percent by mass, Max.	01.00
7)	Dye intermediates, percent by mass, max.	01.3 (5% Leuco)
8)	Unsulphonated primary aromatic amine (calculated as aniline) Percent by mass, max.	00.01
9)	Lead, mg/kg, Max.	10.00
10)	Arsenic, mg/kg, Max.	03.00
11)	Heavy metals, (as pb) mg/kg, max.	40.00
12)	Mercury, mg/kg, Max.	01.00
13)	Chromium, mg/kg, Max.	05.00
14)	Cadmium, mg/kg, Max.	01.00

Solubility At Room Temperature

1)	Water (gm/ltr)	200.00
2)	Glycerin (gm/ltr)	190.00
3)	Propylene Glycon (gm/ltr)	200.00
4)	Ethanol (95%) (gm/ltr)	15.00

Stability To

1)	Acids	Good
2)	Neutral	Better
3)	Alkaline	Best
4)	Baking 205°C (400°F)	Best
5)	Light	Best
6)	Heat	Best