



PROMETHEA TECHSYNTH PRIVATE LIMITED

5TH FLOOR, A-506, PRIVILION, B/H ISCON TEMPLE, AMBLI-BOPAL ROAD,
S.G. HIGHWAY, AHMEDABAD -380 054, GUJARAT

Email id: promethea.ts@gmail.com CIN U24299GJ2020PTC117548 (M) 9712001000
9998082540

SPECIFICATION OF BRILLIANT BLUE FCF

Classification: -

1)	Color Index No	42090
2)	EEC No.	E133
3)	FD & C No	Blue 1
4)	C.I Name	Food Blue 2
5)	Class	Triaryl Methane
6)	EINECS	223-339-8
7)	CAS No	3844-45-9
8)	Shelf Life	Three Years

Specification: -

No	Characteristic	Requirement
1)	Color Description	Dark Red Powder
2)	Shade	
3)	Total dye content, corrected for sample dried at 135°C for 3 hr. Percent by Mass, min.	85.00
4)	Loss on drying at 135°C, Percent by mass and chlorides & Sulphates express as sodium salts, percent by mass Max.	15.00
5)	Water-insoluble matter, percent by mass, Max.	00.20
6)	Combined ether extracts, percent by mass, Max.	00.20
7)	Subsidiary dyes, percent by mass, max	03.00
8)	Dyes Intermediates, percent by mass, max.	01.80 (5% Leuco)
9)	Unulfonated primary aromatic amine (calculated as aniline) Percent by mass, max.	00.01
10)	Lead, mg/kg, Max.	10.00
11)	Arsenic, mg/kg, Max.	01.00
12)	Heavy metals, (as pb) mg/kg, max	40.00
13)	Mercury, mg/kg Max	01.00
14)	Chromium, mg/kg, Max	05.00
15)	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)	Trace



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Stability To

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