



Shivaay Chemical Industries

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### SPECIFICATION OF PATENT BLUE V

#### Classification: -

1)	Color Index No	42051
2)	EEC No.	E 131
3)	FD & C No	- -
4)	C.I. Name	Food Blue 5
5)	Class	Triarylmethane
6)	EINECS	222-573-8
7)	CAS No.	3536-49-0

#### Specification: -

No.	Characteristic	Limit
	Color Description	
1)	Shade	
2)	Total dye content, corrected for sample dried at 135°C for 3 hr. 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.	15.00
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.	02.00
7)	Dye intermediates, percent by mass – <b>(Leuco Base)</b> max	00.50 – ( <b>&lt;4.0%</b> )
8)	Unulfonated primary aromatic amine (calculated as aniline) Percent by mass, max.	00.01
9)	Lead, mg/kg, Max.	10.00
10)	Arsenic, mg/kg, Max.	01.00
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