



Shivaay Chemical Industries

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SPECIFICATION OF INDIGO CARMINE / INDIGO BLUE

Classification: -

1)	Color Index No	73015
2)	EEC No.	E132
3)	FD & C No	Blue 2
4)	C.I Name	Food Blue 1
5)	Class	Indigoid
6)	EINECS	212-728-8
7)	CAS No.	860-22- 0(5,5'isomer)

Specification: -

Sr.	Specification	Limit
1)	Color 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.	01.00
7)	Dye intermediates, percent by mass, max.	00.50
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.	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

Solubility At Room Temperature

1)	Water (gm/ltr)	12.00
2)	Glycerin (gm/ltr)	5.00
3)	Propylene Glycon (gm/ltr)	5.00
4)	Ethanol (95%) (gm/ltr)	Trace

Stability To

1)	Acids	Better
2)	Neutral	Weak
3)	Alkaline	Very Weak
4)	Baking 2055°C (400oF)	Very Weak
5)	Light	Good
6)	Heat	Very Weak