

SPECIFICATION OF ERYTHROSINE

Classification: -

1)	Color Index No	45430
2)	EEC No.	E127
3)	FD & C No	Red 3
4)	C.I Name	Food Red 14
5)	Class	Xanthine
6)	EINECS	240-474-8
7)	CAS No.	16423-68-0

Specification: -

No	Characteristic	Limit
1)	Color Description	Red Powder
2)	Shade	
3)	Total dye content, corrected for sample dried at 135°C for 3 hr. Percent by Mass, min.	87.00
4)	Loss on drying at 135°C, Percent by mass and chlorides & Sulphates express as sodium salts, percent by mass Max.	13.00
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.	04.00
8)	Dye intermediates, percent by mass, max.	00.40
9)	Un sulfonated 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)	70.00
2)	Glycerin (gm/ltr)	20.00
3)	Propylene Glycon (gm/ltr)	50.00
4)	Ethanol (95%) (gm/ltr)	15.00

Stability To



Shivaay Chemical Industries

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