

Shivaay Chemical Industries

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 TARTRAZINE

Classification: -

1)	Color Index No	19140
2)	EEC No.	E102
3)	FD & C No	Yellow 5
4)	C.I Name	Food Yellow 4
5)	Class	Monoazo - (Pyrazolone)
6)	EINECS	217-699-5
7)	CAS No.	1934-21-0

Specification: -

No	Characteristic	Limit
1)	Color Description	Light Orange Powder
2)	Color 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.	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.	01.00
8)	Dye intermediates, percent by mass, max.	00.50
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)	140.00
2)	Glycerin (gm/ltr)	150.00
3)	Propylene Glycon (gm/ltr)	50.00
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