

SPECIFICATION OF QUINOLINE YELLOW

Classification: -

1)	Color Index No	47005
2)	EEC No.	E 104
3)	FD & C No	- -
4)	C.I. Name	Food Yellow 13
5)	Class	Quino Phthalone
6)	EINECS	305-897-5
7)	CAS No.	8004-92-0

Specification: -

Sr.	Characteristic	Limit
1)	Shade	
2)	Total dye content, corrected for sample dried at 135°C for 3 hrs. Percent by Mass, min.	70.00
3)	Loss on drying at 135°C, Percent by mass and chlorides & Sulphates express as sodium salts, percent by mass Max.	30.00
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.	04.00
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)	150.00
2)	Glycerin (gm/ltr)	40.00
3)	Propylene Glycon (gm/ltr)	40.00
4)	Ethanol (95%) (gm/ltr)	Trace

Stability To

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