

SPECIFICATION OF MAHACOL PONCEAU 4R

PRODUCT DESCRIPTION	
C.I. Name	FOOD RED 7, COCHINEAL RED A
C.I. No.	16255
CAS Registry No.	2611-82-7
EU No.	220-036-2
Molecular Weight	604.48
Chemical Formula	C ₂₀ H ₁₁ N ₂ Na ₃ O ₁₀ S ₃
E. E. C. NO.	E-124

No.	CHARACTERISTIC	
1)	Total dye content, corrected for sample dried at 135°C for 3 hr. Percent by Mass, min.	82.00
2)	Loss on drying at 135°C, Percent by mass and chlorides & Sulphates express as sodium salts, percent by mass Max.	18.00
3)	Water-insoluble matter, percent by mass, Max.	00.20
4)	Combined ether extracts, percent by mass, Max.	00.20
5)	Subsidiary dyes, percent by mass, Max.	01.00
6)	Dye intermediates, percent by mass, max.	00.50
7)	Un sulfonated primary aromatic amine (calculated as aniline) Percent by mass, max.	01.00
8)	Lead, mg/kg, Max.	10.00
9)	Arsenic, mg/kg, Max.	01.00
10)	Heavy metals, (as pb) mg/kg, max	40.00
11)	Mercury, mg/kg, Max.	01.00
12)	Chromium, mg/kg, Max.	05.00
13)	Cadmium, mg/kg, Max.	01.00

SOLUBILITY TO	
Acids	Excellent
Neutral	Excellent
Alkaline	Good
Baking 205°C (400oF)	Best
Light	Better
Heat	Best

MASS TONE	TINT TONE

SOLUBILITY AT ROOM TEMPERATURE	
Water (gm/ltr)	140.00
Glycerin (gm/ltr)	150.00
Propylene Glycon (gm/ltr)	50.00
Ethanol (95%) (gm/ltr)	Trace

STANDARD PACKAGING	
25 Kgs / 20 Kgs / 10 Kgs	Paper Bags / HDPE Bags
25 Kgs / 20 Kgs	Fiber Drum / Plastic Drum
Big Bags type	On Request



REGISTERED OFFICE
1007-1008, DEV ATELIER COMPLEX, NR. SEEMA HALL, PRAHLADNAGAR ROAD,
SATELLITE, AHMEDABAD – 380015 INDIA.

FACTORY
C-1/58 PHASE-2 GIDC, ESTATE, VATVA-AHMEDABAD, 382445-GUJARAT INDIA
(O) +91 79 - 4008 5720 www.mahavirdyes.com, info@mahavirdyes.com