



PROMETHEA TECHSYNTH PRIVATE LIMITED

5TH FLOOR, A-506, PRIVILION, B/H ISCON TEMPLE, AMBLI-BOPAL ROAD,
S.G. HIGHWAY, AHMEDABAD -380 054, GUJARAT

Email id: promethea.ts@gmail.com CIN U24299GJ2020PTC117548 (M) 9712001000
9998082540

SPECIFICATION OF AMARANTH

Classification: -

1)	Color Index No	16185
2)	EEC No.	E123
3)	FD & C No	Red 2
4)	C.I Name	Food Red 9
5)	Class	Monoazo
6)	EINECS	213-022-2
7)	CAS No.	915-67-3

Specification: -

Sr.	Characteristic	Requirement
1)	Color Description	Reddish Brown Powder
2)	Shade	
3)	Total dye content, corrected for sample dried at 135°C for 3 hrs. 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.	15.00
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.	03.00
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)	100.00
3)	Propylene Glycon (gm/ltr)	50.00
4)	Ethanol (95%) (gm/ltr)	Trace

Stability To

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