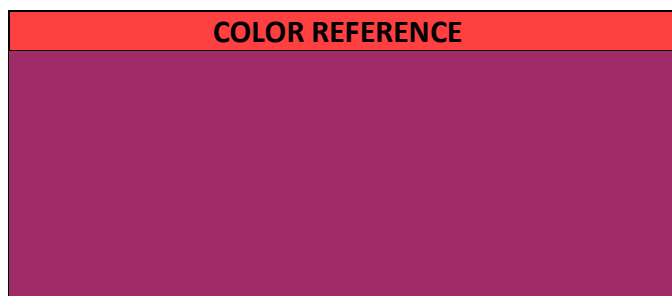


SPECIFICATION OF MAHACOL AMARANTH

| PRODUCT DESCRIPTION | |
|---------------------|---|
| Brand Name | Mahacol Amaranth |
| C.I. Name | Food Red 9 |
| C.I. No. | 16185 |
| CAS Registry No. | 915-67-3 |
| EU No. | 213-022-2 |
| Molecular Weight | 604.48 |
| Chemical Formula | C ₂ H ₁₁ N ₂ Na ₃ O ₁ S ₃ |
| E. E. C. NO. | E-123 |

| No. | CHARACTERISTIC | |
|-----|---|-------|
| 1) | Total dye content, corrected for sample dried at 135°C for 3 hr. Percent by Mass, min. | 85.00 |
| 2) | Loss on drying at 135°C, Percent by mass and chlorides & Sulphates express as sodium salts, percent by mass Max | 15.00 |
| 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. | 03.00 |
| 6) | Dye intermediates, percent by mass, max. | 00.50 |
| 7) | Unsulphonated 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) | Good |
| Light | Best |
| Heat | Better |



| SOLUBILITY AT ROOM TEMPERATURE | |
|--------------------------------|--------|
| Water (gm/ltr) | 140.00 |
| Glycerin (gm/ltr) | 100.00 |
| 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 |

FOR, MAHAVIR INDUSTRIES



PARTNER

CERTIFICATIONS



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

FACTORY UNIT-1 : C-1/58 PHASE-2 GIDC ESTATE, VATVA - AHMEDABAD - 382445, GUJARAT INDIA. UNIT-2 : C1/5639 PHASE-2 GIDC, ESTATE, VATVA-AHMEDABAD - 382445 GUJARAT INDIA