

## SPECIFICATION OF MAHACOL QUINOLINE YELLOW WS

| PRODUCT DESCRIPTION |   |
|---------------------|---|
| C.I. Name           | FOOD YELLOW 13  |
| C.I. No.            | 47005   |
| CAS Registry No.    | 8004-92-0   |
| EU No.              | 305-897-5   |
| Molecular Weight    | 477.38  |
| Chemical Formula    | C <sub>18</sub> H <sub>9</sub> NNa <sub>2</sub> O <sub>8</sub> S <sub>2</sub> |
| E. E. C. NO.        | E-104   |

| No. | CHARACTERISTIC   |       |
|-----|--|-------|
| 1)  | Total dye content, corrected for sample dried at 135°C for 3 hr. Percent by Mass, min.                           | 70.00 |
| 2)  | Loss on drying at 135°C, Percent by mass and chlorides & Sulphates express as sodium salts, percent by mass Max. | 30.00 |
| 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.   | 04.00 |
| 6)  | Dye intermediates, percent by mass, max.   | 00.50 |
| 7)  | Un sulfonated primary aromatic amine (calculated as aniline)<br>Percent by mass, max.                            | 00.01 |
| 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             | Weak      |
| Baking 205°C (400oF) | Better    |
| Light                | Best      |
| Heat                 | Better    |
|                      |           |
|                      |           |

| MASS TONE | TINT TONE |
|-----------|-----------|
|           |           |

| SOLUBILITY AT ROOM TEMPERATURE |        |
|--------------------------------|--------|
| Water (gm/ltr)                 | 150.00 |
| Glycerin (gm/ltr)              | 40.00  |
| Propylene Glycon (gm/ltr)      | 40.00  |
| 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.

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