



# COLOR GIALLO TARTRAZINA E102 FD&C YELLOW 5

|                   |                 |               |          |
|-------------------|-----------------|---------------|----------|
| codex number 5FDC | Date 21/05/2012 | Emission nr 7 | pg 1 / 2 |
|-------------------|-----------------|---------------|----------|

## DESCRIPTION - IDENTITY

|                     |           |                  |   |
|---------------------|-----------|------------------|---|
| Colour Index        | 19140     | Chemical formula | C <sub>16</sub> H <sub>9</sub> N <sub>4</sub> O <sub>9</sub> S <sub>2</sub> Na <sub>3</sub> |
| Cas Register Number | 1934-21-0 | EINECS           | 217-699-5   |

## PHYSICAL-CHEMICAL

| Data   | Analytical method | Units | Specifications | Note   |
|--|-------------------|-------|----------------|--|
| Pure dye content                               | CQ/SP             | %     | 85 min         | 1%<br>E = 530<br>1cm<br><br>λ max = 426 ± 2 nm |
| Appearance powder                              | CQ/AP             |       | yellow-reddish |  |
| Hue solution 1%                                | CQ/TS             |       | yellow-limpid  |  |
| Chlorides                                      | CQ/CL             | %     |                |  |
| Sulphates                                      | CQ/SF             | %     | ≤ 15           |  |
| Loss on drying at 135 °C                       | CQ/UM             | %     |                |  |
| Water insoluble matter                         | CQ/IN             | %     | ≤ 0.2          |  |
| Subsidiary colouring matters                   | CQ/CA             | %     | ≤ 1            |  |
| Organic compounds other than colouring matters | CQ/PI             | %     | ≤ 0.5          |  |
| Unsulphonated primary aromatic amines          | CQ/AA             | %     | ≤ 0.01         | calculated as aniline                          |
| Ether-extractable matter                       | CQ/EE             | %     | ≤ 0.2          |  |
| Arsenic  | CQ/AS             | mg/kg | ≤ 3            |  |
| Lead   | CQ/PB             | mg/kg | ≤ 2            |  |
| Mercury  | CQ/HG             | mg/kg | ≤ 1            |  |
| Cadmium  | CQ/CD             | mg/kg | ≤ 1            |  |
| Heavy metals (as Pb)                           | CQ/MP             | mg/kg | ≤ 40           |  |

Water soluble dye standardised

|              |                 |                |
|--------------|-----------------|----------------|
| ISSUED<br>CQ | VERIFIED<br>RGQ | APPROVED<br>DC |
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# **COLOR GIALLO TARTRAZINA E102**

## **FD&C YELLOW 5**

codex number 5FDC

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### **LABELLING & CONFORMITY**

FD&C Y5 - E102 - Tartrazine

Product comply to specific purity criteria stated on Dir. 231/2012/EC (128/2008/EC)

**This color complies, in full respect, with the FDA purity requirements as laid down in Code of Federal Regulations Title 21, Parts 1 to 99**

Usage of colorants may be subject to legislative limits, consult the legislation in force

### **SHELF LIFE AND STORAGE CONDITION**

60 months keep in sealed original container in dry and cool place. Different packaging available

### **OGM ( Reg. EC 1829/2003 and 1830/2003 )**

Product does not derive or contain or it coming from any OGM. No labelling required

### **ALLERGEN (All. bis Directives 2000/13/EC and 2003/89/EC)**

Product does not contain any allergens. None extra label required. Cross contamination managed by specific production and clearing procedure

### **IONIZANTE RADIATION**

No irradiation apply without according to the customer.

### **LABELLING TSE/BSE according to CPMP410/01 :**

Product does not derive or contain animal origin. Free of TSE/BSE. No labelling required

### **SAFETY SHEET (Reg EC 1907/2006)**

Product is not hazardous in normal usage condition. MSDS provide upon request.

ISSUED  
CQ

VERIFIED  
RGQ

APPROVED  
DC

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