

# SPECIFICATIONS

## ARTICLE

Designation : **Methylene blue**

Code bobet : **5787**

Selling Unit : **Unit**

*Non-contractual pictures*



## CHARACTERISTICS

Methylene blue

Packaging : 1 kg bucket

CHEMICAL NATURE :

- Chemical Name : Methylene blue double salt with zinc chloride
- Chemical formula :  $C_{16}H_{18}ClN_3S \cdot 0.5 ZnCl_2 \cdot x H_2O$
- Class : thianizinic
- Molecular Weight : 388 g/mol (anhydrous form)

NOMENCLATURE :

- COLOR INDEX : Basic Blue 9
- No. of Incorporation : 52015
- CAS No.: 61-73-4

KEY FEATURES :

- Appearance : dark reddish violet powder
- Solubility : Easily soluble in water and ethanol
- Dye content :  $95 \pm 2\%$
- Insoluble rate : 1% max.
- pH (at 20°C, 10 g/l) : 4-5
- Light solidity on textile : Cotton: 2 to 4 (depending on concentration)  
(Blues scale, from 1 to 8) Silk : From 1 to 2 (depending on concentration)
- Light solidity on paper : good
- Expiration delay : 5 years, in airtight packing, away from sunlight, humidity, frost and heat.

APPLICATION :

- Textile (Dyeing of silk, cotton, wool.. 0.3 to 2%)
- Leathers and skins
- Paper, wood
- Coloring of various hydroalcoholic media, chemicals (cationic or notionic), acids (sulfuric / acetic / phosphoric / formic)
- Fugitive coloring of powders intended for cooking (the coloring disappears with heat)

- Pesticides
- Food safety : denaturation of meat and bones (MRS : material with specified risks) - Orders of October 2, 2001
- Fish disease : DO NOT USE the 2BZ CONC methylene blue that contains zinc; privilege the "zinc free" quality (= low zinc content)

**APPLICATIONS :**

The manufacturer recommends a maximum shelf life of 5 years (DLUO).

However if it is stored in a dry environment (away from air, light, humidity, freezing heat, etc.), it can be used beyond 5 years because this product is a non-food industrial colorant.