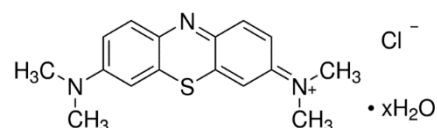


METHYLENE BLUE FOR MICROSCOPY AR

| | |
|------------------------------------|---|
| PRODUCT CODE | 305875 |
| SYNONYMS | [3,7-Bis(dimethylamino) phenazathionium chloride] |
| C.I. NO. | 52015 |
| CASR NO. | (61-73-4) |
| ATOMIC OR MOLECULAR FORMULA | C₁₆H₁₈ClN₃S.XH₂O (X=2-3) |
| ATOMIC OR MOLECULAR WEIGHT | 319.86 + Aq. |
| PROPERTIES | Soluble in chloroform. Insoluble in ether. |



| PARAMETER | LIMIT |
|--|-----------------------------------|
| Description | A dark red/green coloured powder. |
| Solubility | Soluble in water. |
| Dye Content (Titanometry; ondried) | > 97.0% |
| Absorption maximum (in water) | 663 - 667 nm |
| Absorption Ratio (A λ _{max} - 15 nm) / (A λ _{max} + 15 nm) | 1.21 - 1.70 |
| Absorptivity (A1% / 1cm at λ _{max} , in water) | 2200 - 2750 |
| Suitability for microscopy | Passes test. |

MAXIMUM LIMIT OF IMPURITIES

| | |
|--|-------|
| Loss on drying (at 110 ^o C) | 15% |
| Iron (Fe) | 0.01% |

Note(s) : Assay (if applicable) method mentioned.
2] Free from Zinc

WARNING

Hazard statements: Harmful if swallowed

Precautionary statements

Prevention :Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Response :Specific treatment: refer to Label or MSDS.

Disposal: Dispose of contents and container in accordance with relevant legislation.

Hazard Pictogram(s) :-



GHS07

IMDG Code :
UN No. :
IATA :

Replace date 17-June-2023