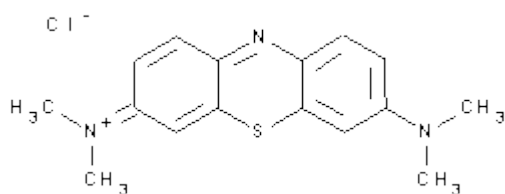


PRODUCT CODE: 251170

Methylene Blue (CE-IVD) (C.I. 52015) for clinical diagnostics

Dye for bacteriology (Ziehl-Neelsen staining), In Vitro Diagnostic medical device class A in compliance to the Regulation (EU) 2017/746., Complies as Ph. Eur. Reagent.

$C_{16}H_{18}ClN_3S \cdot xH_2O$



M.= 319,85 +H₂O

CAS [61-73-4]

EINECS 200-515-2

TARIC 3204 13 00 90

SYNONYMS: 3,7-Bis(Dimethylamino)Pheno-5-thiazinium Chloride, C.I. Basic Blue 9, Tetramethylthionine Chloride

PHYSICAL DATA: crystalline powder, crystals, Dark green with bronze luster, in water at 20°C Thermal decom. above 180 °C • M.P.: 180 °C • pH3 •

BIBLIOGRAPHY: Merck Index **12**, 6.137 13, 6.085 Safety **2**, **2344 C** • Römp **8**, **2586** • Conn's **IX** 423, 604 • Beilstein **27**, **393 IV**, **5152** • BRN 3599847 • BP.**2023** • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) •

HAZARDOUS: RTECS: SO 5600000 • LD L0 oral rbt 1.000 mg/kg • LD50 oral rat 1.180 mg/kg • LD50 ipr mus 150 mg/kg



H: H302 •

P: P264 • P270 • P301+P312 • P330 • P501 •

OBSERVATIONS: Storage between 20 and 25°C •

SPECIFICATIONS:

Assay (Spectrophotometric)	85%
Identity :	
Identity	IR passes test
A 1% , 1 cm, λ_{max} .in H ₂ O(calc. a.d.s.)	>2200
A 1% , 1 cm, λ_{max} .in 50% EtOH	2200 - 2750
λ of max. ABS in H ₂ O	663 - 667 nm
λ of max. ABS in 50% EtOH	660 - 665 nm
T.L.C.	passes test
Maximum limit of impurities	
Loss on drying at 110°C	15 %
Ratio I _{max} . in H ₂ O P +/-15 nm	1,21 - 1,70