methylene blue

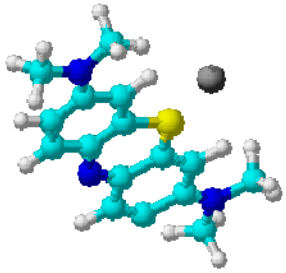
cas 61-73-4

M1550NN	Gold Line
powder	
Typical analysis	
Assay on dry substances	98.5%
Alcohol-insoluble matter	1%
Arsenic (As)	0.0008%
C.I.	52015
Copper (Cu)	0.02%
Iron (Fe)	0.02%
Lead (Pb)	0.0001%
Loss on drying (105ºC)	<15%
Zinc (Zn)	0.005%
Residue on ignition	0.25%

Packaging
25g black plastic jar
100g black plastic jar
500g black plastic jar

M1551NN	Gold Line
aqueous solution	
Typical analysis	
C.I.	52015

Packaging
100ml amber glass bottle
500ml black plastic bottle



Physical properties, composition and data

Chemical formula	$C_{16}H_{18}N_3ClS.xH_2O$
Synonym	Basic blue 9; Methylthionine chloride; Swiss blue; Tetramethylthionine chloride; Urolene blue
Solution	Methylene blue and water
Atomic weight	319.86
Appearance	Dark green crystals with bronze lustre or crystalline powder. Dark blue solution
Solubility/miscibility	Water
Melting point	Powder 180ºC and solution 0ºC
Boiling point	Powder decomposes and solution 100ºC
pH (aqueous solution)	Powder and solution ±3
Incompatible substances	Alkali iodides; dichromates, caustic alkali and reducing agents

Laboratory preparation, applications and practices

Laboratory preparation	Powder: Dimethylaniline and thiosulphuric acid
Usage	Analytical reagent. Stain in bacteriology. Oxidation-reduction indicator
Filter paper	Filtech no: 0222, 0225, 1839

Storage and handling information

Storage	Store separated from incompatible substances
Safety phrases	Powder 7-13-22 and solution 7-16-43
Risk phrases	Powder 20/21/22 and solution 11
Disposal methods	16

Transport regulations

Tariff code	3204.13.00

Powder Solution