

## 3178 – NEW METHYLENE BLUE (BASIC BLUE 24)

REF NO: TBL/QA/SS/LC/3178	STANDARD SPECIFICATION FOR NEW METHYLENE BLUE (BASIC BLUE 24)	Rev. No: 03
Issue No: 04		Review Date: 26/10/2024
Issue Date: 27/10/2021		Product code: 3178

### PRODUCT PROPERTIES

C.A.S Number	6586-05-0
Chemical Formula	$C_{18}H_{22}ClN_3S.ZnCl_2$
Formula weight	416.05
Functional Uses	New methylene blue N has been used as a photosensitizer for the photodynamic inactivation of Candida albicans.
Standard Packaging	5 gm.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Brown to dark brown powder
Solubility	Soluble in water.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss On Drying	NMT – 5.0%
Assay (by Spectrophotometer) ( 5 mg/ ltr. in water)	
Absorption at 632 ±3nm	NLT – 0.530
Absorption at 591 ±3nm	NLT – 0.433

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

