

## CM 23241 – MTT (Methyl Thiazolyl Diphenyl Tetrazolium Bromide)

REF NO: TBL/QA/SS/LC/3564	<b>STANDARD SPECIFICATION FOR MTT (Methyl Thiazolyl Diphenyl Tetrazolium Bromide)</b>	<b>Rev. No:</b> 03
Issue No: 04		Review Date: 26/10/2024
Issue Date: 27/10/2021		Product code: 3564

### PRODUCT PROPERTIES

C.A.S Number	298-93-1
Chemical Formula	$C_{18}H_{16}N_5SBr$
Formula weight	414.3
Functional Uses	MTT is used in measurement of cell proliferation. MTT produces a yellowish solution that is converted to dark blue, water-insoluble MTT formazan by mitochondrial dehydrogenases of living cells.
Standard Packaging	1 gm.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Yellowish to greenish color crystalline powder.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Melting point	About 195°C
Assay	NLT – 97.0%

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

