

TMB 055 – MTT (Methyl Thiazolyl Diphenyl Tetrazolium Bromide)

REF NO: TBL/QA/SS/LC/TMB 055	STANDARD SPECIFICATION FOR MTT (Methyl Thiazolyl Diphenyl Tetrazolium Bromide)	Rev. No: 03
Issue No: 04		Review Date: 26/10/2024
Issue Date: 27/10/2021		Product code: TMB 055

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%
DNases	Not Detected
RNases	Not Detected

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

