

3564 – MTT (Methyl Thiazolyl Diphenyl Tetrazolium Bromide)

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| REF NO: TBL/QA/SS/LC/3564 | 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: 3564 |

PRODUCT PROPERTIES

| | |
|--------------------|---|
| C.A.S Number | 298-93-1 |
| Chemical Formula | C ₁₈ H ₁₆ N ₅ SBr |
| 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.

