

TMB 003 – ACRYLAMIDE (Molecular Biology Grade)

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| REF NO: TBL/QA/SS/LC/TMB 003 | STANDARD SPECIFICATION FOR ACRYLAMIDE (Molecular Biology Grade) | Rev. No: 03 |
| Issue No: 04 | | Review Date: 06/02/2025 |
| Issue Date: 07/02/2022 | | Product code: TMB 003 |

PRODUCT PROPERTIES

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| C.A.S Number | 79-06-1 |
| Chemical Formula | C ₃ H ₅ NO |
| Formula weight | 71.08 |
| Functional Uses | Acrylamide has been used in polyacrylamide gel electrophoresis |
| Standard Packaging | 25 gm., 100 gm. & 500 gm. & 1 kg |

PHYSICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION |
|-------------------|---------------------------|
| Appearance | White crystalline powder. |
| Solubility | Freely soluble in water. |

CHEMICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION |
|-------------------------|---------------|
| Melting point (°C) | 82 – 85°C |
| Acidity (Acrylic acid) | NMT – 0.001% |
| DNases/RNases | None detected |
| Proteases/ Phosphatases | None detected |
| Assay | NLT – 99.9% |

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

