

TMB 024 – CALCIUM CHLORIDE (DIHYDRATE) (Molecular Biology Grade)

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| REF NO: TBL/QA/SS/LC/TMB 024 | STANDARD SPECIFICATION FOR CALCIUM CHLORIDE (Dihydrate) (Molecular Biology Grade) | Rev. No: 03 |
| Issue No: 04 | | Review Date: 06/02/2025 |
| Issue Date: 07/02/2022 | | Product code: TMB 024 |

PRODUCT PROPERTIES

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| C.A.S Number | 10035-04-8 |
| Chemical Formula | CaCl ₂ .2H ₂ O |
| Formula weight | 147.01 |
| Functional Uses | Calcium Chloride Dihydrate is used for the transfection of eukaryotic cells. |
| Standard Packaging | 100 gm & 500 gm |

PHYSICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION |
|-------------------|---------------------------------------|
| Appearance | White granular powder. |
| Solubility | Freely soluble in water & in alcohol. |

CHEMICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION |
|-----------------------------|---------------|
| Heavy Metal (Pb) | NMT – 0.0005% |
| Iron (Fe) | NMT – 0.0005% |
| Sulphate (SO ₄) | NMT – 0.005% |
| Barium (Ba) | NMT – 0.005% |
| Assay | NLT – 99.5% |
| DNase/ RNase | None detected |

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