

## 317 – CUPRIC NITRATE TRIHYDRATE, EXTRA PURE

|                                 |   |                                |
|---------------------------------|---|--------------------------------|
| <b>REF NO:</b> TBL/QA/SS/LC/317 | <b>STANDARD SPECIFICATION<br/>FOR CUPRIC NITRATE<br/>TRIHYDRATE, EXTRA PURE</b> | <b>Rev. No:</b> 03             |
| <b>Issue No:</b> 04             |   | <b>Review Date:</b> 12/11/2024 |
| <b>Issue Date:</b> 13/11/2021   |   | <b>Product code:</b> 317       |

**PRODUCT PROPERTIES**

|                           |  |
|---------------------------|--|
| <b>C.A.S Number</b>       | 10031-43-3   |
| <b>Chemical Formula</b>   | $Cu(NO_3)_2 \cdot 3H_2O$   |
| <b>Formula weight</b>     | 241.60   |
| <b>Functional Uses</b>    | Cupric Nitrate Trihydrate is used as catalyst for a variety of processes in organic chemistry. |
| <b>Standard Packaging</b> | 500 gm   |

**PHYSICAL PARAMETERS**

| PRODUCT PARAMETER | SPECIFICATION  |
|-------------------|----------------|
| Appearance        | Blue crystals. |

**CHEMICAL PARAMETERS**

| PRODUCT PARAMETER           | SPECIFICATION |
|-----------------------------|---------------|
| Chloride (Cl)               | NMT – 0.005%  |
| Sulphate (SO <sub>4</sub> ) | NMT – 0.01%   |
| Lead (Pb)                   | NMT – 0.001%  |
| Iron (Fe)                   | NMT – 0.005%  |
| Assay                       | NLT – 99.0%   |

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

