

## 491 – UREA, EXTRA PURE

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|--------------------------|--|-------------------------|
| REF NO: TBL/QA/SS/LC/491 | STANDARD SPECIFICATION<br>FOR UREA, EXTRA PURE | Rev. No: 03             |
| Issue No: 04             |  | Review Date: 14/11/2024 |
| Issue Date: 15/11/2021   |  | Product code: 491       |

### PRODUCT PROPERTIES

|                    |  |
|--------------------|--|
| C.A.S Number       | 57-13-6  |
| Chemical Formula   | CH <sub>4</sub> N <sub>2</sub> O   |
| Formula weight     | 60.06  |
| Functional Uses    | Urea is used in Synthesis of SnO <sub>2</sub> nanoparticles and it is also used in Synthesis of urethanes, ureides and semicarbazides. |
| Standard Packaging | 500 gm., 5 kg & 50 Kg.   |

### PHYSICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION            |
|-------------------|--------------------------|
| Appearance        | White Crystalline powder |

### CHEMICAL PARAMETERS

| PRODUCT PARAMETER           | SPECIFICATION |
|-----------------------------|---------------|
| Sulphated Ash               | NMT – 0.01%   |
| Sulphate (SO <sub>4</sub> ) | NMT – 0.001%  |
| Chloride (Cl)               | NMT – 0.0005% |
| DNase                       | None detected |
| RNase                       | None detected |
| Assay                       | NLT – 99.0%   |

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

