

# SPECIFICATIONS

## Guaranteed Reagent

### Urea

| Item  | Unit/Symbol | Specified value |
|---|-------------|-----------------|
| Purity (NH <sub>2</sub> CONH <sub>2</sub> ) | %           | 99.0 min.       |
| Solubility in water                         | —           | To pass test    |
| Solubility in ethanol                       | —           | To pass test    |
| Melting point                               | °C          | 132-136         |
| Chloride (Cl)                               | %           | 0.001 max.      |
| Sulfate (SO <sub>4</sub> )                  | %           | 0.001 max.      |
| Copper (Cu)                                 | ppm         | 2 max.          |
| Lead (Pb)                                   | ppm         | 2 max.          |
| Iron (Fe)                                   | ppm         | 5 max.          |
| Ammonium (NH <sub>4</sub> )                 | %           | 0.02 max.       |
| Substances reducing Fehling's solution      | —           | To pass test    |
| blank below                                 |             |                 |
|   |             |                 |
|   |             |                 |
|   |             |                 |
|   |             |                 |

Notes:

1. “%” and “ppm” are in mass fraction.
2. Items, specified value, the test method and the terms in the list are based on Japanese Industrial Standards (JIS K 8731).
3. With revision of Japanese Industrial Standards, some parts of the contents above may be updated without prior notification.
4. "(H)" stands for "Halal certified". The specifications are for both products of with and without "(H)". This Halal certification authority is the Japan Muslim Association (JMA).

This English Version of the SPECIFICATIONS is published for the convenience of users unfamiliar with the Japanese language. When and if any discrepancy arises between the Japanese original and its English translation, the former is authentic.