

# SPECIFICATIONS

## Japanese Pharmacopoeia

### Urea

Item	Unit/Symbol	Specified value
<b>Content</b> (CH <sub>4</sub> N <sub>2</sub> O)	%	Not less than 99.0
<b>Description</b>	—	To comply with the monograph (See note below)
<b>Identification</b> (1)	—	To pass test
<b>Identification</b> (2)	—	To pass test
<b>Melting point</b>	°C	132.5-134.5
<b>Purity</b> (1) Chloride	%	Not more than 0.007
<b>Purity</b> (2) Sulfate	%	Not more than 0.010
<b>Purity</b> (3) Ethanol-insoluble substances	mg	Not more than 2.0
<b>Residue on ignition</b>	%	Not more than 0.1
Blank below		

Note:

**Description** Urea occurs as colorless to white, crystals or crystalline powder. It is odorless, and has a cooling, saline taste.

It is very soluble in water, freely soluble in boiling ethanol (95), soluble in ethanol (95), and very slightly soluble in diethyl ether.

A solution of Urea (1 in 100) is neutral.

Notes:

1. “%” and “ppm” are in mass fraction.
2. Items, specified value, the test method and the terms in the list are based on the expression in the Japanese Pharmacopoeia. However, for the sake of testers' safety, some parts of the description test are omitted.
3. With revision of The Japanese Pharmacopoeia, 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).

Notice: This English Version of the Japanese Pharmacopoeia 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.