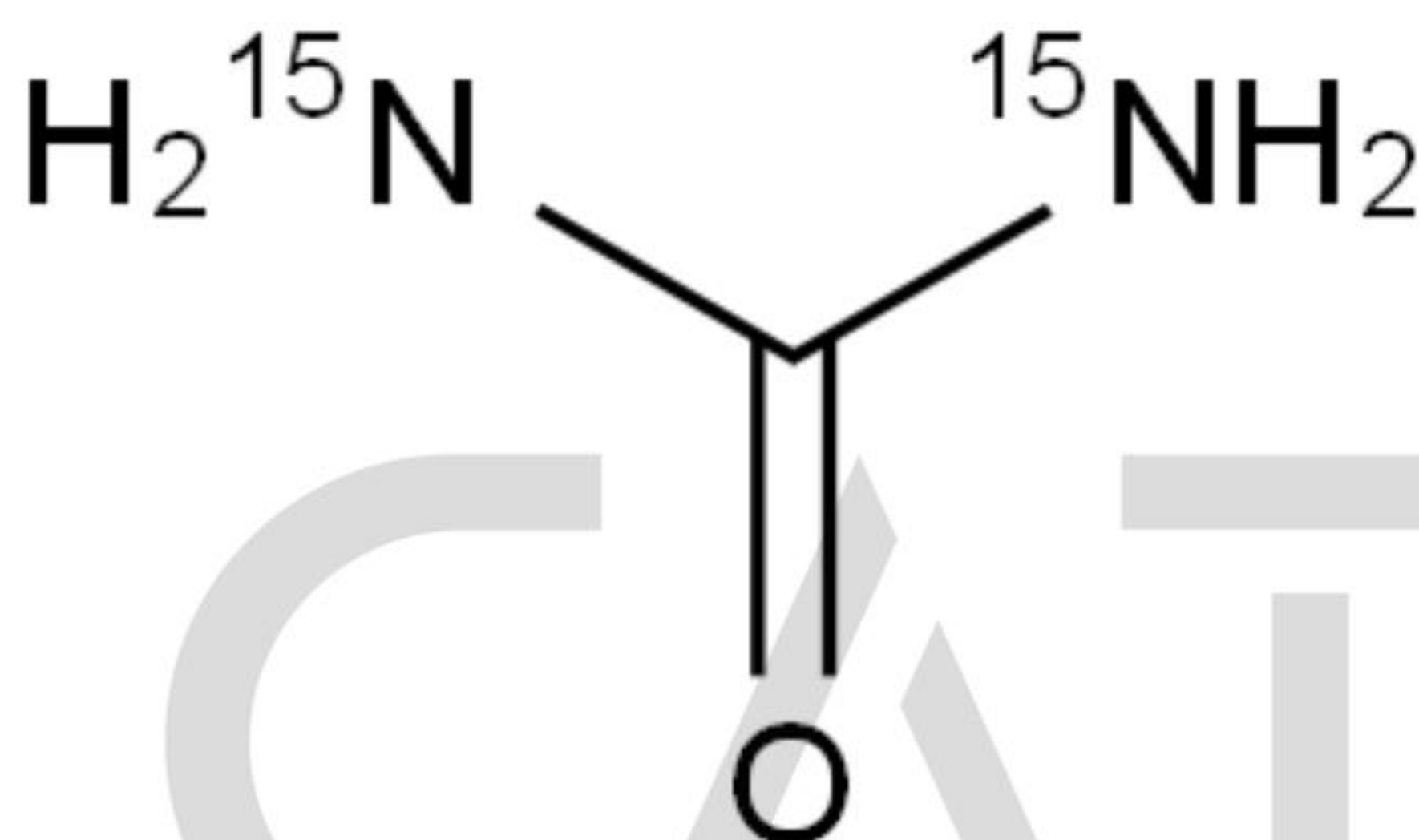


Certificate of Analysis

Reference Material & Standard

Product Name:	Urea-15N2	Catalogue Number:	CCHM701539
Synonyms:	N/A	Lot Number:	0323-RH-0031
CAS Number:	2067-80-3	Expiry Date:	Mar 26, 2030
Molecular Formula:	CH ₄ [15N] ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	62.04	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	ELSD	100.000%
Isotopic Purity		98.1%
Water Content	Karl Fischer	0.2693%
Assay		99.7%
Uncertainty		±0.2%

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity ELSD (%) / 100%

Water Content is considered as absolute effect, ELSD purity is considered as relative effect.

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Mar 30, 2026

Date: Mar 30, 2026

Date: Mar 30, 2026

