

## Certificate of Analysis (COA)

### Product Information

Product Name Urea (Carbamide)

Product Number:URE-20260328

Batch Number:URE-SH2026032801

Brand:TECHPURE

CAS Number:57-13-6

MDL Number:MFCD00008022

Formula:CH<sub>4</sub>N<sub>2</sub>O

Formula Weight:60.06 g/mol

Quality Release Date:28 MAR 2026

### Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White	White	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Purity (HPLC)	≥ 99.5%	99.7%	%	High Performance Liquid Chromatography (HPLC)
Melting Point	132-135°C	133.0-134.5°C	°C	Melting Point Apparatus
Water Content	≤ 0.5%	0.2%	%	Karl Fischer Titration
Heavy Metals (Pb)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 0.1 ppm	0.03 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Iron (Fe)	≤ 1 ppm	0.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Non-Volatile Residue	≤ 0.05%	0.02%	%	Gravimetric Method
pH Value (10% aqueous solution, 25°C)	6.0-7.5	6.8	-	Digital pH Meter

### Certification

This batch of product has been tested in accordance with industrial standards for urea and meets all specified requirements. It is qualified for industrial, agricultural, and laboratory use.

Issue Date:28 MAR 2026