

SEPEHRAN CHEMICAL INDUSTRIES CO.

Manufacturer & Exporter of Industrial & Petrochemical Products

Tehran, Iran | sepehranchem.com/en

QC LAB

ISO 9001 / 14001 / 45001

Certified Facility

CERTIFICATE OF ANALYSIS

Product Quality Test Report — Batch-Specific Results

PRODUCT	Urea – Granular, Agricultural Grade	CERTIFICATE NO.	COA-SAMPLE-2607-014
BATCH NO.	UR-260613-B7	PRODUCTION DATE	13 June 2026
QUANTITY	27,000 kg (1 × 20' FCL)	TEST DATE	14 June 2026
PACKAGING	50 kg PP bags, shrink-wrapped on pallets	ISSUE DATE	15 June 2026
DESTINATION (example)	Basra, Iraq	MANUFACTURER	Sepehran Chemical Industries Co., Iran

TEST RESULTS

Parameter	Specification	Test Result	Test Method	See Guide
Appearance	White granules, free-flowing	Conforms	Visual inspection	–
Nitrogen (N) content	46.0% min	46.3%	ISO 3599 (Kjeldahl method)	[1]
Biuret content	1.00% max	0.62%	ISO 17347	[2]
Moisture content	0.50% max	0.28%	ISO 760 (Karl Fischer)	[3]
Ash content / insoluble matter	0.02% max	0.01%	ISO 936	[4]
Granulation (1–4 mm)	90% min	94.5%	ISO 8397 (sieve analysis)	–

Bracketed numbers [1]–[4] correspond to the reviewer's guide on the following page. Batch number and test date [5] and testing method reference [6] are noted above and in this table.

THIRD-PARTY VERIFICATION

Independently inspected and verified by SGS – Inspection Report Ref: SGS-SAMPLE-118824 (example reference only)

Quality Control Manager
Sepehran Chemical Industries Co.

Laboratory Manager
Accredited QC Laboratory

Company Stamp
Authorized Signature

This is a fictional sample created for educational purposes to accompany the article “Chemical Export Documentation & Compliance: COA, MSDS, and Quality Standards.” It does not represent an actual shipment, batch, or customer. For genuine product specifications and current Certificates of Analysis, contact Sepehran's export sales team directly.

How to Read This Certificate of Analysis

Use this page alongside the sample COA to see exactly where each checkpoint from the article appears on a real document, and what a healthy result looks like versus a warning sign.

1

Purity / Assay Percentage

The Nitrogen (N) content row is the purity/assay figure for urea. The specification states a minimum of 46.0%, and the batch result of 46.3% clears it with a small, realistic margin. Watch for results reported as a vague range (e.g. “45–47%”) instead of one specific measured number — that vagueness is a warning sign, not a formality.

2

Biuret Percentage

Shown as a separate line because it matters specifically for agricultural-grade urea, where high biuret levels can be toxic to crops. The specification caps it at 1.00% maximum, and the batch result of 0.62% is comfortably under that ceiling. This should always be an exact figure, never just the phrase “within spec.”

3

Moisture Content

Reported here as a precise 0.28% against a 0.50% maximum. High moisture affects both how the product holds up over a long sea or overland transit and whether you are effectively paying for water weight. A rounded or missing moisture figure is worth questioning.

4

Ash Content and Insoluble Matter

Less critical for urea itself but included here because it is one of the checks that matters most for products like sodium bicarbonate and caustic soda flakes, where ash and residue levels determine whether a batch qualifies as food-grade, feed-grade, or industrial-grade.

5

Batch Number and Test Date

Found in the info block at the top: Batch No. UR-260613-B7, tested on 14 June 2026 and issued on 15 June 2026. Every legitimate COA ties results to one specific, traceable batch and a recent test date — not a generic “typical values” sheet reused across shipments.

6

Testing Method Reference

Listed in the right-hand column of the results table (ISO 3599, ISO 17347, ISO 760, ISO 936). Naming the standard method used lets your own lab repeat the same test and cross-check the numbers independently, rather than taking the result on faith.

Red flag reminder: if a Certificate of Analysis you receive is vague, unsigned, or does not correspond to a traceable batch, treat that as a warning sign rather than a formality to skip past. A COA you cannot verify against the actual shipment is not much better than no COA at all.

This reference sheet accompanies the Sepehran Chemistry article on chemical export documentation and compliance. For actual, current Certificates of Analysis or MSDS documents for any product, contact Sepehran's export sales team directly.