



LABORATORY SECTION

List with accredited test methods under flexible scope as per R-17025-PL (Rev.1, 31 Jan 2023) and EA – 2/15 M: 2023

Form code: LGP-07-3/0

Crt. No	Unique Identifier / Issue Date	Title	Category
1	G-12C 2024-02	Determination of Oil content in Liquefied Anhydrous Ammonia by Infra-red Spectrometric method	C
2	G-12D 2024-02	Determination of Impurities in Liquefied Anhydrous Ammonia by Gravimetric method	C
3	G-12B 2024-02	Determination of the Water content in Liquefied Anhydrous Ammonia by Gravimetric method (Evaporation at 105°C)	C
4	G-12A 2024-02	Calculation of Ammonia content and Nitrogen content in Liquefied Anhydrous Ammonia (on basis of Water, Oil and Impurities content)	C
5	ISO 8397 1988-02	Solid fertilizers and soil conditioners – Test sieving	A
6	BS EN 15479 2009-01	Fertilizers - Spectrophotometric determination of biuret in urea	A
7	ASTM E 203 2024-01	Standard Test Method for Water Using Volumetric Karl Fischer Titration	A
8	U-13A 2023-03	Determination of Formaldehyde Content in Urea product by Spectrophotometric method	C
9	U-20B 2025-01	Calculation of nitrogen content in urea product (on basis of impurities content: water, biuret and formaldehyde)	C
10	UF-02 2025-12	Determination of formaldehyde content in UFC-85 product by Kjeldahl distillation and acid base potentiometric titration	C
11	ASTM D 3590 2025-07	Standard Test Methods for Total Kjeldahl Nitrogen in Water	A
12	UF-24 2026-04	Determination of urea in UFC-85 product by dissolving in water and using Pyrolysis and Chemiluminescence Detection	C
13	ISO 10523 2008-12	Water quality - Determination of pH	A
14	DIN EN ISO 11885 2009-09	Water quality - Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES)	A
15	BS EN 12048 1997-06	Solid fertilizers and liming materials – Determination of moisture content – Gravimetric method by drying at (105+2°C)	A
16	ASTM D 1209 2025-01	Standard Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)	A
17	ISO 3451-1 2019-02	Plastics – Determination of ash – Part 1: General methods	A



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18	M-05A 2026-04	Determination of melamine product purity by potentiometric acid base titration	C
19	ASTM D1945-14R19 2019-12	Standard Test Method for Analysis of Natural Gas by Gas Chromatography (Natural Gas)	A
20	ASTM D1946-24 2024-12	Standard Practice for Analysis of Gaseous Fuels by Gas Chromatography (Reformed Process Gas)	A
21	BS EN 13716 2002-03	Surface active agents-Determination of total base nitrogen-Potentiometric titration	A
22	ISO 5815-2 2003-04	Water quality – Determination of biochemical oxygen demand after n days (BOD _n) - Part 2: Method for undiluted samples	A
23	ISO 7150-1 1984-06	Water quality – Determination of ammonium – Part 1: Manual spectrometric method	A
24	ISO 7393-2 2017-12	Water quality – Determination of free chlorine and total chlorine - Part 2: Colorimetric method using N,N-dialkyl-1,4-phenylenediamine, for routine control purposes	A
25	ISO 10530 1992-09	Water quality – Determination of dissolved sulfide - photometric method using methylene blue	A
26	ISO 18724 2025-10	Water Quality – Determination of Chromium (VI) - Spectrometric Method using 1,5-diphenylcarbazide	A
27	ISO 11423-1 1997-06	Water quality – Determination of benzene and some derivatives - Part 1: Head-space gas chromatographic method	A
28	ISO 15705 2002-11	Water quality - Determination of the chemical oxygen demand index (ST-COD) – Small-scale-sealed-tube method	A
29	ASTM D 1976 2020-05	Standard Test Method for Elements in Water by Inductively Coupled Plasma Atomic Emission Spectroscopy	A
30	BS EN 5815-1 2019-11	Water quality - Determination of biochemical oxygen demand after n days (BOD _n) - Part 1: Dilution and seeding method with allylthiourea addition	A
31	ASTM D 1783 2020-01	Standard Test Method for Phenolic Compounds in Water	A
32	ASTM D 3223 2025-12	Standard Test Method for Total Mercury in Water	A



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33	ASTM D 3590 2025-07	Standard Test Methods for Total Kjeldahl Nitrogen in Water	A
34	ASTM D 3867 2021-12	Standard Test Methods for Nitrite-Nitrate in Water	A
35	ASTM D 5086 2020-04	Standard Test Method for Determination of Calcium, Magnesium, Potassium, and Sodium in Atmospheric Wet Deposition by Flame Atomic Absorption Spectrophotometry	A
36	ASTM D 5907 2018-05	Standard test method for Filterable Matter (Total Dissolved Solids) and Nonfilterable Matter (Total Suspended Solids) in Water	A
37	ASTM D 7066 2017-09	Standard Test Method for dimer/trimer of chlorotrifluoroethylene (S-316) Recoverable Oil and Grease and Nonpolar Material by Infrared Determination	A
38	ASTM D 7573 2018-12	Standard test method for Total Carbon and Organic Carbon in Water by High Temperature Catalytic Combustion and Infrared Detection	A
39	ENV-20 2023-02	Determination of Urea content in Water by spectrophotometry (Diacetyl monoxime method)	C
40	VDI 3860 Blatt 6 2004-02	Gaseous emission measurement - Measurement of formaldehyde by the acetyl acetone method	A
41	ASTM D 3685/D 3685M 2021-09	Standard test methods for sampling and determination of particulate matter in stack gases	A
42	ASTM D 3695 2021-12	Standard Test Method for Volatile Alcohols in Water by Direct Aqueous-Injection Gas Chromatography	A
43	ASTM D 6522 2020-06	Standard test method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural gas -fired Reciprocating engines, Combustion Turbines, Boilers, and Process Heaters using Portable Analyzers	A
44	ENV-23 2025-01	Determination of Ammonia in stack gases by acid base potentiometric titration	C
45	ENV-24 2025-01	Determination of particulate matters in stack gases by gravimetric method	C

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