

Quality And Accreditation Institute

Centre for International Accreditation



Certificate of Accreditation

Atmy Analytical Labs Private Limited – Unit 3

(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)

B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
Greater Noida – 201306, Uttar Pradesh, India

has been assessed and accredited in accordance with the Standard

ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”

In the field of

Testing

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued compliance with the above standard & any other requirements specified by QAI.



QAI/CIA/TL/2026/0180

Valid from: 31 July 2026

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Valid until: 30 July 2028

Prof. Vikram Kumar
Chair, CIA



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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
1.	Cement (OPC/PPC/PSC/White/Composite/Clinker)	Silicon Dioxide (Silica)	IS 4032:1985 (RA:2019)
2.		Aluminium Oxide (Alumina)	IS 4032:1985 (RA:2019)
3.		Ferric Oxide	IS 4032:1985 (RA:2019)
4.		Sulphur Trioxide	IS 4032:1985 (RA:2019)
5.		Calcium Oxide	IS 4032:1985 (RA:2019)
6.		Magnesium Oxide	IS 4032:1985 (RA:2019)
7.		Insoluble residue	IS 4032:1985 (RA:2019)
8.		Loss on ignition	IS 4032:1985 (RA:2019)
9.		Chloride	IS 4032:1985 (RA:2019)
10.		Sodium Oxide	IS 4032:1985 (RA:2019)
11.		Potassium Oxide	IS 4032:1985 (RA:2019)
12.	Fly Ash	Silicon Dioxide	IS 1727:1967(RA:2018)
13.		Aluminium Oxide	IS 1727:1967 (RA:2018)
14.		Ferric Oxide	IS 1727:1967 (RA:2018)
15.		Sulphur Trioxide	IS 1727:1967(RA:2018)

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www.qai.org.in



1 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
16.	Fly Ash	Calcium Oxide	IS 1727:1967(RA:2018)
17.		Magnesium Oxide	IS 1727:1967(RA:2018)
18.		Insoluble residue	IS 1727:1967(RA:2018)
19.		Loss on ignition	IS 1727:1967(RA:2018)
20.		Available Alkali as Na ₂ O Equivalent	IS 3812(Part-1):2013 Annex-C (RA:2022)
21.	Construction Material (Concrete (Admixture))	Dry Material Content	IS 9103:1999 (RA:2018)
22.		Ash Content	IS 9103:1999 (RA:2018)
23.		pH	IS 9103:1999 (RA:2018)
24.		Relative Density	IS 9103:1999 (RA:2018)
25.		Chlorides	IS 6925:1973 (RA:1999)
26.	Harden Concrete	Chloride content	BS 1881 (Part 124) (RA 2015)
27.		Potassium oxide	BS 1881 (part 124) (RA 2015)
28.		Sodium oxide	BS 1881 (part 124) (RA 2015)
29.		Sulphate	BS 1881 (part 124) (RA 2015)

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
30.	Aggregates	Chloride	IS 14959 (Part 2):2001 (RA:2021)
31.		Dissolved Silica	IS 2386 (Part 7):1963 (RA:2021)
32.		Reduction in alkalinity	IS 2386 (Part 7):1963 (RA:2021)
33.		Sulphate	IS 4032:1985 (RA:2019)
34.		Water Soluble Chloride	IS 14959 (Part 2):2001 (RA:2021)
35.	Bonded Mineral Wool	Alkalinity (pH)	IS 3144:2024
36.		Bulk Density	IS 3144:2024
37.		Chloride content	IS 3144:2024
38.		Organic matter	IS 3144:2024
39.		Moisture Content	IS 3144:2024
40.	Hydrated Lime	Acid insoluble matter as SiO ₂	IS 1514(Cl.-10.2):1990 (RA:2021)
41.		Alumina Oxide	IS 1514(Cl.-11.2.2):1990 (RA:2021)
42.		Available lime as CaO	IS 1514(Cl.-9.2.2):1990 (RA:2021)

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
43.	Hydrated Lime	Calcium hydroxide (Ca(OH) ₂)	IS 1540 (Part 2): 1990 (RA:2021)
44.		Carbonate	IS 1514(Cl.-7.3):1990 (RA:2021)
45.		Free Moisture Content	IS 1514(Cl.-18.1):1990 (RA:2021)
46.		Iron oxide	IS 1514(Cl.-11.2.1):1990 (RA:2021)
47.		Magnesium oxide	IS 1514(Cl.-11.2.1):1990 (RA:2021)
48.	Micro silica/Silica Fume	Alkalise as Na ₂ O	IS 4032:1985 (RA 2019)
49.		Loss on Ignition	IS 1727:1967 (RA:2018)
50.		Moisture Content	IS 15388:2003 (RA 2022)
51.		Silica	IS 1727:1967 (RA 2018)
52.	Ceramic Tiles	Resistance to alkaline	IS 13630 (P-8):2019
53.		Resistance to household	IS 13630 (P-8):2019
54.		Resistance to staining	IS 13630 (P-8):2019



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QAI/CIA/TL/2026/0180

Valid from: 31 July 2026

Valid until: 30 July 2028

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Soil and Rock		
1.	Construction Material (Soil)	pH	IS 2720 (Part-26):1987 (RA:2021)
2.		Moisture Content	IS 2720 (Part-2):1973 (RA:2020)
3.		Organic Matter	IS 2720 (Part-22):1972 (RA:2020)
4.		Cation exchange capacity (CEC)	IS 2720 (Part-24):1976 (RA:2020)
5.		Sulphate	IS 2720 (Part-27):1977 (RA:2020)
6.		Chloride	IS 3025 (Part-32):2025
7.		Calcium Carbonate	IS 2720 (Part-23):1976 (RA:2020)
8.	Fly ash brick	Available Lime (CaO + MgO equivalent)	IS 6932(Part-1):2025
9.		Magnesia (MgO)	IS 6932(Part-1):2025
10.		Silica + alumina + Ferric oxide	IS 6932(Part-1):2025
11.		Unhydrated MgO	IS 6932(Part-1):2025
12.		Insoluble residue	IS 6932(Part-1):2025



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Centre for Laboratory Accreditation



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints and Surface Coating		
1.	Aluminium paint for General purpose	(Drying time) Hard Dry	IS:101(P-3/SEC-1):2026 (RA 2026)
2.		Resistance to humidity under condition of condensation	Clause 2 of IS:101(P-6/SEC-1):1988 (RA 2021)
3.		Consistency	IS:2339 (ANNEX-B):2013 (RA 2023)
4.		Finish	IS:101 (P-3/SEC-4):1987 (RA 2021)
5.		Flash Point	IS:101(P-1/SEC-6):1987(RA 2021)
6.		Flexibility and adhesion Type-1	Clause 2 of IS:101(P-5/SEC-2):1988
7.	Ready Mixed paint air drying red oxide zinc chrome primer	Fineness of Grind	IS:101(P-3/SEC-5):2022
8.		(Drying time, hrs.) Hard Dry	IS:101(P-3/SEC-1):2026
9.		(Drying time, hrs.) Surface Dry	
10.		(Flexibility and adhesion) Bend test with 6.25 mm	IS:101(P-5/SEC-2):1988
11.		(Flexibility and adhesion) Scratch Hardness	
12.		(Resistance to humidity under Condition of condensation) Resistance to humidity	IS:101(P-6/SEC-1):1988 (RA 2021)

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www.qai.org.in



6 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

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Valid from: **31 July 2026**

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints and Surface Coating		
13.	Ready Mixed paint air drying red oxide zinc chrome primer	(Resistance to humidity under Condition of condensation) Resistance to sea water (applicable for marine point only)	IS:101(P-6/SEC-1):1988 (RA 2021)
14.		Colour	IS:101(P-4/SEC-2):2021
15.		Consistency	IS: 2074(ANNEX-C):2023
16.		Finish	IS:101(P-3/SEC-4):1987 (RA 2021)
17.		Flash point	IS:101(P-1/SEC-6):1988 (RA 2021)
18.		Gloss 60°	IS:101(P-4/SEC-4):2020
19.		Mass in kg/10 Liter	IS:101(P-1/SEC-7):2026
20.		Viscosity by ford cup no.-4 at 27±2°C	IS: 101(P-1/SEC-5):2024
21.		Volume Solids	IS:101(P-8/SEC-6):1993

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www.qai.org.in



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Centre for Laboratory Accreditation



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QAI/CIA/TL/2026/0180

Valid from: 31 July 2026

Valid until: 30 July 2028

Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Paints and Surface Coating		
22.	Washable distemper	(Drying time) Hard dry	IS: 428(ANNEX-B):2013
23.		(Drying time) Surface dry	IS: 428(ANNEX-B):2013
24.		Accelerated stability	IS:428(ANNEX-C):2013
25.		Colour	IS:101(P-4/SEC-2):2021
26.		Consistency	IS: 428(ANNEX-C):2013
27.		Finish	IS:101(P-3/SEC-4):1987 (RA 2021)
28.		Recoating property	IS:428(ANNEX-E):2013
29.		Residue on sieve	IS:428(ANNEX-D):2013
30.		Resistance to alkali	IS:428(ANNEX-F):2013



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Centre for Laboratory Accreditation



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metal and its alloys		
1.	Steel (Plain carbon and Low Alloy Steel)	Carbon	IS 228 Part-1: 2025
2.		Silicon	IS 228 Part-8: 1989 (RA2023)
3.		Silicon	IS 228 Part-11: 1990 (RA2019)
4.		Manganese	IS 228 Part-2: 2024
5.		Manganese	IS 228 Part-12: 2001 (RA2023)
6.		Sulphur	IS:228, Part-9: 1989 (RA2023)
7.		Phosphorus	IS:228, Part-3: 2024
8.		Chromium	IS 228 Part-6: 2024
9.		Nickel	IS 228 Part-5: 1987 (RA2023)
10.		Nickel	IS 228 Part-26: 2026
11.		Molybdenum	IS 228 Part-7: 2025
12.		Molybdenum	IS 228 Part-10: 1989 (RA2019)
13.		Copper	IS 228 Part-15: 1992 (RA2019)
14.		Copper	IS 228 Part-21: 2003 (RA2023)

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metal and its alloys		
15.	Stainless steel	Chromium	IS 228 Part-6: 2024
16.		Carbon	IS 228 Part-1: 2025
17.		Manganese	IS 228 Part-2: 2024
18.		Nickel	IS 228 Part-5: 1987 (RA2023)
19.		Sulphur	IS:228, Part-9: 1989 (RA2023)
20.		Phosphorus	IS:228, Part-3: 2024
21.		Copper	IS 228 Part-15: 1992 (RA2019)
22.		Silicon	IS 228 Part-8: 1989 (RA2023)
23.	Cast Iron	Carbon	IS 228 Part-1: 2025
24.		Silicon	IS 228 Part-8: 1989 (RA2023)
25.		Silicon	IS 228 Part-11: 1990 (RA2019)
26.		Manganese	IS 228 Part-2: 2024
27.		Sulphur	IS:228, Part-9: 1989 (RA2023)
28.		Phosphorus	IS:228, Part-3: 2024
29.		Chromium	IS 228 Part-6: 2024

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www.qai.org.in



10 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metal and its alloys		
30.	Cast Iron	Nickel	IS 228 Part-5: 1987 (RA2023)
31.		Molybdenum	IS 228 Part-7: 2025
32.		Copper	IS 228 Part-15: 1992 (RA2019)
33.	Aluminium & its alloys	Silicon	IS 504 part 1(Cl. 7.0):2002 (RA 2022)
34.		Silicon	IS 504 part 1(Cl. 5.0):2002 (RA 2022)
35.		Iron	IS 504 part 2(Cl. 5.0):2002 (RA 2022)
36.		Iron	IS 504 part 2(Cl. 6.0):2002 (RA 2022)
37.		Copper	IS 504 part 3(Cl. 5.0):2002 (RA 2022)
38.		Copper	IS 504 part 3(Cl. 6.0):2002 (RA 2022)
39.		Zinc	IS 504 part 4(Cl. 5.0):2002 (RA 2022)
40.		Zinc	IS 504 part 4(Cl. 6.3):2002 (RA 2022)
41.		Manganese	IS 504 part 5:2002 (RA2022)

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www.qai.org.in



11 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



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Valid from: **31 July 2026**

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metal and its alloys		
42.	Aluminium & its alloys	Magnesium	IS 504 part 6:2002 (RA2022)
43.		Nickel	IS 504 part 7:2002 (RA2022)
44.		Chromium	IS 504 part 8:2002 (RA2022)
45.	Copper & its alloys	Iron	IS 440: 2025
46.		Nickel	IS 440: 2025
47.		Tin	IS 440: 2025
48.		Phosphorus	IS 440: 2025
49.		Manganese	IS 3685:1966 (RA 2021)
50.		Silicon	IS 3685:1966 (RA 2021)
51.		Aluminium	IS 3685:1966 (RA 2021)
52.		Zinc	IS 3685:1966 (RA 2021)
53.	Zinc & its alloys	Aluminium	IS 2600: (Part 7) 2022
54.		Chromium	IS 2600 part-4:1993 (RA 2021)
55.		Copper	IS 2600 part-1:1988 (RA 2021)
56.		Copper	IS 2600 part-2:1988 (RA 2021)

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Centre for Laboratory Accreditation



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Valid from: 31 July 2026

Valid until: 30 July 2028

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metal and its alloys		
57.	Zinc & its alloys	Iron	IS 2600 part-1:1988 (RA 2021)
58.		Iron	IS 2600 part-2:1988
59.		Magnesium	IS 2600: Part 6: 2022
60.		Nickel	IS 2600 part-1:1988 (RA2021)
61.		Tin	IS 2600 part-1:1988 (RA2021)



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Centre for Laboratory Accreditation



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
1.	Drinking Water/ Packaged Drinking Water/RO water (As per IS 10500)	Acidity (as CaCO ₃)	IS 3025(Part-22):2024
2.		Alkalinity (as CaCO ₃)	IS 3025(Part-23):2023
3.		Chlorides (as Cl)	IS 3025(Part-32):2025
4.		Color	IS 3025(Part-4):2021
5.		Dissolved Oxygen	IS 3025(Part-38):2025
6.		Inorganic Solid	IS 3025(Part-18):2022
7.		Odour	IS 3025(Part-5):2018 (RA2023)
8.		Organic Solid	IS 3025(Part-18):2022
9.		pH Value	IS 3025(Part-11):2022
10.		Specific Conductance (at 25°C)	IS 3025(Part-14):2013 (RA2023)
11.		Sulphate	IS 3025(Part-24):2022
12.		TDS	IS 3025(Part-16):2023
13.		Total Hardness (as CaCO ₃)	IS 3025(Part-21):2009 (RA2024)
14.		Turbidity	IS:3025, Part-10:2023
15.		TDS reduction	IS 16240 Annex A:2023

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www.qai.org.in



14 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
16.	Construction/Industrial Water (As per IS 456)	Volume of reagent 0.02N NaOH required to neutralize 100 ml of water using phenolphthalein indicator	IS 3025(Part-22):2024
17.		Volume of reagent 0.02N H ₂ SO ₄ required to neutralize 100 ml of water using Mixed indicator	IS 3025(Part-23):2023
18.		Chlorides (as Cl)	IS 3025(Part-32):2025
19.		Color	IS 3025(Part-4):2021
20.		Dissolved Oxygen	IS 3025(Part-38):2025
21.		Inorganic Solid	IS 3025(Part-18):2022
22.		Odour	IS 3025(Part-5):2018 (RA 2023)
23.		Organic Solid	IS 3025(Part-18):2022
24.		pH Value	IS 3025(Part-11):2022
25.		Specific Conductance (at 25°C)	IS 3025(Part-14):2013 (RA 2023)
26.		Sulphate	IS 3025(Part-24):2022
27.		TDS	IS 3025(Part-16):2023
28.		Total Hardness (as CaCO ₃)	IS 3025(Part-21):2009
29.		Turbidity	IS:3025, Part-10:2023
30.		TDS reduction	IS 16240 Annex A:2023

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www.qai.org.in



15 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Residues in Water		
1.	Drinking water/RO water/ Packaged Drinking Water/ Packaged Natural Mineral Water	Copper	IS 3025 (Part 42): 2024
2.		Arsenic	IS 3025 (Part 37): 2022
3.		Cadmium	IS 3025 (Part 41):2023
4.		Chromium	IS 3025 (Part 52):2003 (RA2019)
5.		Lead	IS 3025 (Part 47):1994 (RA2019)
6.		Mercury	IS 3025 (Part 48):2025
7.		Iron	IS 3025 (Part 53):2024
8.		Selenium	IS 3025 (Part 56):2003 (RA2023)
9.		Sodium	IS 3025 (Part 45):2024
10.		Zinc	IS 3025 (Part 49):2024
11.		Manganese	IS 3025 (Part 59):2023
12.		Magnesium	IS 3025 (Part 46):2023



Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: 31 July 2026

Valid until: 30 July 2028

Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metallic Coating & Treatment Solution		
1.	Metallic coatings	Coating mass of zinc	IS 6745:1972 (RA 2021)
2.		Coating mass of copper/bronze	IS 4824:2022 (Annex B, method B-2)
3.		Uniformity of coating	IS 2633: 1986 (RA 2021)
4.		Corrosion Test	IS 9844: 1981 (RA 2021), IS 10461 (Part 1): 2025, IS 10461: Part 2: 1994 (RA 2021)



Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
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 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
1.	Cement (OPC/PPC/PSC)	Standard Consistency	IS 4031(Part 4):1988 (RA2021)
2.		Setting Time (Initial & Final)	IS 4031(Part 5):1988 (RA2021)
3.		Compressive Strength	IS 4031(Part 6):1988 (RA2021)
4.		Fineness Blaine	IS 4031(Part 2):1999 (RA2021)
5.		Soundness by Le-Chatelier method	IS 4031(Part 3):1988 (RA2021)
6.		Soundness by autoclave method	IS 4031(Part 3):1988 (RA2021)
7.		Density	IS 4031(Part 11):1988 (RA2021)
8.	Coarse Aggregates	Sieve analysis	IS 2386(Part 1):1963 (RA2021)
9.		Flakiness Index	IS 2386(Part 1):1963 (RA2021)
10.		Elongation Index	IS 2386(Part 1):1963 (RA2021)
11.		Crushing value	IS 2386(Part 4):1963 (RA2021)
12.		Impact value	IS 2386(Part 4):1963 (RA2021)
13.		Bulk density	IS 2386(Part 3):1963 (RA 2021)
14.		Water absorption	IS 2386(Part 3):1963 (RA 2021)
15.		Bulk Density	IS 2386:1963 (P-3) (RA:2021)

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18 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
16.	Burnt Clay Building Bricks	Dimensions (Length)	IS 1077:2025
17.		Dimensions (Width)	IS 1077:2025
18.		Dimensions (Height)	IS 1077:2025
19.		Compressive strength	IS 3495(Part-1):2019 (RA 2023)
20.		Water absorption	IS 3495(Part-2):2019 (RA 2023)
21.		Efflorescence	IS 3495(Part-3):2019 (RA 2023)
22.		Warpage	IS 3495(Part-4):2019 (RA 2023)
23.		Modulus of rupture	IS 3495(Part-5):2021
24.		Initial rate of absorption	IS 3495(Part-6):2022
25.	AAC Block	Dimension (Height)	IS 2185 (P-3):1984 (RA 2023)
26.		Dimension (Length)	IS 2185 (P-3):1984 (RA 2023)
27.		Dimension (Width)	IS 2185 (P-3):1984 (RA 2023)
28.		Compressive strength	IS 6441(P-5):1972 (RA 2023)
29.		Drying Shrinkage	IS 6441(P-2):1972 (RA 2023)
30.		Block Density	IS 6441 (P-1):1972 (RA 2023)

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Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
31.	AAC Block adhesive	Setting Time (Initial)	IS:4031-(pt-5):1988 (RA 2021)
32.		Setting Time (Final)	IS:4031-(pt-5):1988 (RA 2021)
33.		Length	IS 3144:2024
34.		Moisture Absorption	IS 3144:2024
35.	Bricks	Efflorescence	IS 3495 (P-3):2019 (RA 2023)
36.		Compressive strength	IS 3495 (Part 1):2019 (RA 2023)
37.		Water Absorption	IS 3495 (Part 2) (RA 2023)
38.	Ceramic Tiles / Vitrified Tiles	Breaking Strength	IS 13630(P-6):2019 (RA 2021)
39.		Bulk Density	IS 13630(P-2):2019 (RA 2021)
40.		Crazing Resistance	IS 13630(P-9):2019 (RA 2021)
41.		Dimension (Height, Length, Width)	IS 13630(P-1):2019 (RA 2021)
42.		Hardness by Moh's Scale	IS 13630(P-13):2019 (RA 2021)



Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
43.	Ceramic Tiles / Vitrified Tiles	Impact Resistance	IS 13630(P-14):2019 (RA 2021)
44.		Modulus of rupture	IS 13630(P-6):2019 (RA 2021)
45.		Moisture Expansion	IS 13630(P-3):2019 (RA 2021)
46.		Rectangularity	IS 13630(P-1):2019 (RA 2021)
47.		Straightness	IS 13630(P-1):2019 (RA 2021)
48.		Surface Flatness	IS 13630(P-1):2019 (RA 2021)
49.		Surface Quality	IS 13630(P-1):2019 (RA 2021)
50.		Thermal Shock Resistance	IS 13630(P-5):2019 (RA 2021)
51.		Water Absorption	IS 13630(P-2):2019 (RA 2021)
52.	Hardened Concrete	Compressive Strength	IS 516:2021 (Part-1/Sec-1)
53.		Compressive Strength (ACT)	IS 9013:1978 (RA 2021)
54.		Flexural Strength	IS 516 (Part-1/Sec-1):2021
55.		Initial Surface Absorption Test	IS 516 (Part-2) Sec -2:2020
56.		Modulus of Elasticity	IS 516 (Part-8) Sec-1:2020 (RA 2023)

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www.qai.org.in



21 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: 31 July 2026

Valid until: 30 July 2028

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
57.	Hardened Concrete	Water Absorption	BS 1881(Part-122):2011
58.		Water Permeability	IS 516 (Part-2) Sec-1:2018 (RA 2023)
59.		Dimension (Length)	IS 2185(Part-3):1984 (RA 2021)
60.		Dimension (Width)	IS 2185(Part-3):1984 (RA 2021)
61.		Dimension (Height)	IS 2185(Part-3):1984 (RA 2021)
62.		Block density	IS 6441(Part-1):1972 (RA 2021)
63.		RCPT (Rapid Chloride Penetration Test)	ASTM C 1202-25
64.		Drying shrinkage	IS 6441(Part-2):1972 (RA 2021)
65.		Density	IS 516:2018 (Part-2) Sec-1 (RA:2023)
66.		Dry Shrinkage	IS 516:2018 (Part-6) (RA:2023)
67.	Concrete Admixture	Air Content	IS 1199 (Part-4): 2018 (RA 2023)
68.		Compressive Strength, Percent of Control Sample	IS 516 (Part-1/Sec-1):2021
69.		Flexural Strength, percent of control sample	IS 516 (Part-1/Sec-1):2021
70.		Loss on workability	IS 1199(Part-2):2018 (RA 2023)

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www.qai.org.in



22 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
71.	Concrete Admixture	Setting Time (Initial)	IS 1199(Part-7):2018 (RA 2023)
72.		Setting Time (Final)	IS 1199(Part-7):2018 (RA 2023)
73.		Slump	IS 1199(Part-2):2018 (RA 2023)
74.		Water Content	IS 9103 (Annex D):1999 (RA 2018)
75.	Fine Aggregate	Bulking Of Sand	IS 2386:1963 (P-3) (RA 2021)
76.		Deleterious Material (Clay Lumps)	IS 2386:1963 (P-2) (RA 2021)
77.		Deleterious Material (Coal and Lignite)	IS 2386:1963 (P-2) (RA 2021)
78.		Deleterious Material (Material Finer Than 75 micron IS Sieve/Silt Content)	IS 2386:1963 (P-1) (RA 2021)/ASTM C117:2017
79.		Organic Impurities	IS 2386:1963 (P-2) (RA 2021)
80.		Sieve Analysis (Sieve Size:10 mm to 150 microns)	IS 2386:1963(P-1) (RA 2021)
81.		Soundness Test (Na ₂ SO ₄ and MgSO ₄)	IS 2386:1963(P-5) (RA 2021)
82.		Specific Gravity	IS 2386:1963(P-3) (RA 2021)
83.		Fineness Modulus	ASTM C136/M-136-25 (Cl. 9.2)
84.		Water Absorption	IS 2386:1963(P-3) (RA 2021)

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www.qai.org.in



23 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
85.	Fly Ash	Compressive strength	IS 1727:1967 (RA 2023)
86.		Fineness Blaine	
87.		Lime reactivity	
88.		Particle retained on 45 μ sieves (wet sieving)	IS 1727:1967 (RA 2023)
89.		Soundness (by autoclave)	
90.		Specific Gravity	
91.	Kerb Stone	Compressive Strength	IS 516:2021 (Part- 4)
92.		Dimensions (Length, Width, Thickness)	IS 5758:2020 (RA 2025)
93.		Water Absorption	IS 5758:1987 (RA 2021)
94.	Marine Ply	Adhesion to plies	IS 1734(P-5):1983 (RA 2021)
95.		Glue shear Strength	IS 1734(P-4):1983 (RA 2021)
96.		Modulus of Elasticity	IS 1734 (P-11):1983 (RA 2021)
97.		Modulus of Rupture	IS 1734(P-11):1983 (RA 2021)
98.		Moisture content	IS 1734 (P-1):1983 (RA 2021)

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www.qai.org.in



24 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
99.	Marine Ply	Squareness	IS 710:2024
100.		Straightness	IS 710:2024
101.		Tensile Strength	IS 1734(P-9):1983 (RA 2021)
102.		Water resistance	IS 710:2024
103.	Microsilica	Compressive Strength	IS 1727:1967 (RA 2023)
104.		Density	
105.		Oversize percentage retained on 45 micron IS Sieve	
106.	Paver Block	Compressive Strength	IS 15658:2021, Annex-D (RA 2025)
107.		Dimension - Length	IS 15658:2021, Annex-B
108.		Dimension - Width	IS 15658:2021, Annex-B
109.		Flexural Strength	IS 15658:2021, Annex-G
110.		Split Tensile Strength	IS 15658:2021, Annex-F
111.		Squareness	IS 15658:2021, Annex-B
112.		Thickness of wearing layer	IS 15658:2021, Annex-B
113.		Water Absorption	IS 15658:2021, Annex-C

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www.qai.org.in



25 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
114.	Paver Block	Wearing Face Area	IS 15658:2021, Annex-B
115.		Abrasion Resistance	IS 15658:2021, Annex-E
116.		Arris/Chamfer	IS 15658:2021, Annex-B
117.		Aspect Ratio	IS 15658, Annex-B:2021
118.	Plywood	Adhesion of Plies	IS 1734(P-5):1983 (RA 2021)
119.		Dimensions (Length)	IS 303:2024
120.		Dimensions (Width)	IS 303:2024
121.		Dimensions (Thickness)	IS 303:2024
122.		Modulus of Elasticity	IS 1734 (Part- 11):1983 (RA 2021)
123.		Modulus of Rupture	IS 1734 (Part- 11):1983 (RA 2021)
124.		Moisture Content	IS 1734 (P-1):1983 (RA 2021)
125.		Water Resistance	IS 1734 (P-6):1983 (RA 2021)



Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
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QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
126.	Soil	Maximum Dry Density	IS 2720 (Part 8):1983 (RA:2020)/ IRC SP:58 guidance
127.		Optimum Moisture Content	IS 2720 (Part 2):1973 (RA:2020)/ IRC SP:58 guidance
128.		CBR	IS 2720 (Part 16):1987
129.		Gradation	IS 2720 (Part 4):1985 (RA:2026)/ IRC SP:58
130.	Plywood for Concrete Shuttering Works	Adhesion of Plies	IS 1734 Part-5:1983 (RA 2021)
131.		Dimensions (Length)	IS 4990:2024
132.		Dimensions (Width)	IS 4990:2024
133.		Dimensions (Thickness)	IS 4990:2024
134.		Edge Straightness	IS 4990, Annex-C:2024
135.		Glue Shear Strength	IS 1734 Part-4:1983 (RA 2021)
136.		Modulus of Rupture	IS 1734 (Part- 11):1983 (RA 2021)
137.		Moisture Content	IS 1734 (P-1):1983 (RA 2021)
138.		Water Resistance	IS 1734 (P-6):1983 (RA 2021)
139.		Squareness	IS 4990, Annex-C:2024

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27 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: 31 July 2026

Valid until: 30 July 2028

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
140.	Shuttering Plywood	Modulus of elasticity	IS 1734 PART 11:1983 (RA 2021)
141.		Modulus of Rupture	IS 1734 (Part-11):1983 (RA 2021)
142.		Tensile Strength	IS 1734 (Part-9):1983 (RA 2021)
143.	White cement	Autoclave Expansion	IS:4031-5:1988 (RA 2021)
144.		Compressive strength	IS:4031-6:1988 (RA 2021)
145.	White cement	Consistency	IS:4031-4:1988 (RA 2021)
146.		Degree of whiteness	IS: 8042:2015 (RA 2021)
147.		Density	IS:4031-10:1988 (RA 2021)
148.		Fineness, Blaine's	IS:4031-2:1999 (RA 2023)
149.		Le Chatelier Expansion	IS:4031-5:1988 (RA 2021)
150.		Setting time-Final	IS:4031-3:1988 (RA 2021)
151.		Setting time-Initial	IS:4031-3:1988 (RA 2021)

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www.qai.org.in



28 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
152.	Doors and Shutters	Buckling Resistance	IS 4020 (Part-9):1998 (RA 2021)
153.		Dimensions (Length)	IS 4020 (Part-2):1998 (RA 2021)
154.		Dimensions (Width)	IS 4020 (Part-2):1998 (RA 2021)
155.		Dimensions (Thickness)	IS 4020 (Part-2):1998 (RA 2021)
156.		Edge Loading Test	IS 4020 (Part-7):1998 (RA 2021)
157.		End Immersion Test	IS 4020 (Part-13):1998 (RA 2021)
158.		General Flatness	IS 4020 (Part-3):1998(RA 2021)
159.		Glue Adhesion Test	IS 4020 (Part-15):1998 (RA 2021)
160.	Doors and Shutters	Impact Indentation Test	IS 4020 (Part-5):1998
161.		Knife Test	IS 4020 (Part-14):1998 (RA2021)
162.		Local Planeness	IS 4020 (Part-4):1998 (RA 2021)
163.		Misuse Test	IS 4020 (Part-11):1998 (RA2021)
164.		Screw Withdrawal Resistance Test	IS 4020 (Part-16):1998 (RA2021)
165.		Shock Resistance Test	IS 4020 (Part-8):1998 (RA 2021)

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www.qai.org.in



29 of 36

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
166.	Doors and Shutters	Slamming Test	IS 4020 (Part-10):1998 (RA2021)
167.		Squareness	IS 4020 (Part-2):1998 (RA 2021)
168.		Varying Humidity Test	IS 4020 (Part-12):1998 (RA2021)
169.	Fly Ash Brick	Dimension (Length)	IS 12894:2002 (RA 2021)
170.		Dimension (Width)	IS 12894:2002 (RA 2021)
171.		Dimension (Height)	IS 12894:2002 (RA 2021)
172.		Compressive strength	IS 3495(Part-1):2019 (RA 2026)
173.	Bitumen & Bituminous products	Loss in weight	IS: 9382: 2022
174.		Absolute viscosity	IS: 1206 (Part II)-2022
175.		Bitumen binder content	IS: 19008:2023 & IRC: SP: 11
176.		Depth of Penetration	IS 1203:2022
177.		Elastic recovery of half thread in ductilimeter	IRC: SP: 53



Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
178.	Bitumen & Bituminous products	Fire point	IS 1448 (Part 69):2019 (RA 2024)
179.		Flash point	IS 1448 (Part 69):2019 (RA 2024)
180.		Separation, Difference in softening point R&B	IRC: SP: 53
181.		Softening point	IS: 1205:2022
182.		Solubility in trichloroethylene	IS: 1216:2026
183.		Specific gravity	IS: 1202:2021
184.		Ductility	IS: 1208 (Part-1): 2023
185.		Increase in softening point	IS: 1205: 2022
186.		Reduction in penetration of residue	IS: 1203:2022
187.		Specific gravity at 27°C	IS 1216:2026
188.		Kinematic Viscosity at 135°C	IS 1206 (Part 3): 2021
189.		Absolute Viscosity at 60°C	IS 1206 (Part 2): 2022
190.		Matter insoluble in toluene	IS 1216:2026



Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Atmy Analytical Labs Private Limited – Unit 3
(A Unit of Atmy Analytical Labs Private Limited, Faridabad, Haryana)
 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: 31 July 2026

Valid until: 30 July 2028

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
191.	Bitumen Emulsion	Coagulation of emulsion	IS 8887:2018 (RA 2026)
192.		Miscibility with water	
193.		Residue on 600 microns	
194.		Stability to mixing with cement	
195.		Storage stability after 24h	
196.		Tests on residue-Depth of Penetration	IS: 1203:1978 (RA 2020)
197.		Tests on residue-Ductility	IS: 1208 (Part-1): 2023
198.		Tests on residue-Residue by evaporation	IS: 8887:2018 (RA 2019)
199.		Tests on residue-Solubility in trichloroethylene	IS 1216:2026
200.		Viscosity by saybolt furol viscometer	IS: 3117:2025
201.		Bitumen Content	IS: 3117:2006 (Annex-B) (RA 2021)
202.		Coagulation of Emulsion	IS: 8887:2018 (Annex-C) (RA 2019)



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Scope of Accreditation

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 B-6/6 & B-6/7 Industrial Area Surajpur, Site-5, UPSIDA, Kasna,
 Greater Noida – 201306, Uttar Pradesh, India

QAI/CIA/TL/2026/0180

Valid from: **31 July 2026**

Valid until: **30 July 2028**

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Packaging Materials		
1.	Laminated sheet	Dimension stability at 20°C temperatures	IS 2046 (P2):2025
2.		Dimension stability at deviated temperature	IS 2046 (P2):2025
3.		Resistance to stain	IS 2046 (P2):2025
4.		Resistance to crazing	IS 2046 (P2):2025
5.		Resistance to cigarette burn	IS 2046 (P2):2025
6.		Resistance to crack	IS 2046 (P2):2025
7.		Resistance to immersion in boiling water-mass increase	IS 2046 (P2):2025
8.		Resistance to immersion in boiling water-Thickness increase	IS 2046 (P2):2025
9.		Resistance to impact by large ball	IS 2046 (P2):2025
10.		Resistance to moisture	IS 2046 (P2):2025
11.		Resistance to steam	IS 2046 (P2):2025
12.		Resistance to surface wear	IS 2046 (P2):2025



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Performance/Durability/Safety		
1.	RO	Recovery rate	IS 16240:2023 (Annex A)
2.		Production rate	
3.		Pressure test	
4.		Full device leakage test	



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Non-Destructive Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building materials reinforced concrete structures		
1.	Hardened concrete/Reinforced concrete	Ultrasonic Pulse Velocity Test	IS 516 (Part 5/Sec 1):2018
2.		Carbonation depth test	IS 516 (Part 5/Sec 3):2021
3.		Half-Cell Potentials of Uncoated Reinforcing Steel in Concrete	IS 516 (Part 5/Sec 2):2021
4.		Rebound Hammer Test	IS 516 (Part 5/Sec 4):2020
5.		Crack width	ACI 224.1R-93 Clause 2.2



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Biological Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
1.	Water/RO/ Water Purifier	Microbiological reduction of <i>Cryptosporidium parvum</i>	IS 16240:2023 (Annex-D)
2.		Microbiological reduction of <i>E. coli</i>	IS 16240:2023 (Annex-C)
3.		Microbiological reduction of <i>Giardia lamblia</i>	IS 16240:2023 (Annex-D)
4.		Microbiological reduction of MS-2 Coliphage	IS 16240:2023 (Annex-C)
5.	Packaged drinking water and Mineral Water	Yeast and Mould count	IS 5403 :1999
6.		Coliform Count	IS 5401 (P-1):2012
7.		Coliform Bacteria	IS 15185:2016

