



Scope of Accreditation for Testing

As per ISO/IEC 17025

CAB Name : QC Shriram Food & Pharma Research Centre Pvt. Ltd.
Address : AO-150, Second Floor, Amrit Steel Compound, UPSIDC,
Industrial Area, Ghaziabad – 201001, (UP)
Certificate No.: T-0048

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Issue date: 17.07.2026
Validity: 16.07.2030

Sr. No.	Product/ Material to be tested	Parameter/ Type of test/ Properties Measured	Range of measurement/ detection limit	Standard specifications/ Equipment/Techniques used	Facility
Discipline: Chemical Group: Industrial & Fine Chemical					
1	Acetone	Description	Qualitative	Clause 3.1 of IS 170	Permanent
2	Acetone	Miscibility with Water	Qualitative	Clause 3.2 of IS 170	Permanent
3	Acetone	Colour	2 Pt-Co scale to 20 Pt-Co scale	IS 8768	Permanent
4	Acetone	Relative density at 27/27 °C	0.760 to 0.820	Clause 6 of IS 82	Permanent
5	Acetone	Distillation range	40°C to 80°C	Annex B of IS 1448 (Part 18)	Permanent
6	Acetone	Water content	0.001% to 1%	IS 2362	Permanent
7	Acetone	Residue on evaporation	0.1% to 10%	Clause 8 of IS 82	Permanent
8	Acetone	Acidity (as CH ₃ COOH)	0.0001% to 0.01%	Annex C of IS 170	Permanent
9	Acetone	Alkalinity	Qualitative	Annex D of IS 170	Permanent
10	Acetone	Permanganate test	5 Minute to 80 Minutes	Annex E of IS 170	Permanent
11	Acetone	Alcoholic impurities	Qualitative	Annex F of IS 170	Permanent



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Sr. No.	Product/ Material to be tested	Parameter/ Type of test/ Properties Measured	Range of measurement/ detection limit	Standard specifications/ Equipment/Techniques used	Facility
12	Acetone	Benzene Content	0.1mg/kg to 10mg/kg	Annex A of IS 170	Permanent
13	Acetone	Methanol Content	50 mg/kg to 400 mg/kg	Annex A of IS 170	Permanent
14	Acetone	Purity	60% to 99.9%	Annex A of IS 170	Permanent
15	Methanol	Description	Qualitative	Clause 4.1, Annex A of IS 517	Permanent
16	Methanol	Miscibility with Water	Qualitative	Clause 4.2, Annex A of IS 517	Permanent
17	Methanol	Colour	2 Pt-Co scale to 20 Pt-Co scale	IS 8768	Permanent
18	Methanol	Relative density at 27/27 °C	0.760 to 0.820	Clause 6 of IS 82	Permanent
19	Methanol	Distillation range at 760 mm pressure	40°C to 80°C	Annex B of IS 1448 (Part 18)	Permanent
20	Methanol	Residue on evaporation	0.001% to 1%	Clause 8 of IS 82	Permanent
21	Methanol	Alkalinity (as NH ₃)	0.001% to 0.1%	Annex B-1 of IS 517	Permanent
22	Methanol	Acidity as acetic acid (CH ₃ COOH)	0.0001% to 0.01%	Annex B-2 of IS 517	Permanent



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23	Methanol	Aldehydes and ketones as acetone (CH ₃ COCH ₃)	0.001% to 0.1%	Annex C-1 of IS 517	Permanent
24	Methanol	Sulphur and compounds of sulphur (as S)	0.0001% to 0.01%	Annex D of IS 517	Permanent
25	Methanol	Chlorine and chlorine compounds	Qualitative	Annex E of IS 517	Permanent
26	Methanol	Water content	0.01% to 1%	IS 2362	Permanent
27	Methanol	Purity	60% to 99.9%	Annex G of IS 517	Permanent
28	Ether	Description	Qualitative	Clause 4.1 of IS 336	Permanent
29	Ether	Odour and Taste	Qualitative	Clause 4.2 of IS 336	Permanent
30	Ether	Solubility	Qualitative	Clause 4.4 of IS 336	Permanent
31	Ether	Relative density at 20 °C/ 20 °C	0.760 to 0.800	Annex A-3 of IS 336	Permanent
32	Ether	Peroxides	Qualitative	Annex A-4 of IS 336	Permanent
33	Ether	Distillation range	32°C to 40°C	Annex A-5 of IS 336	Permanent



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Sr. No.	Product/ Material to be tested	Parameter/ Type of test/ Properties Measured	Range of measurement/ detection limit	Standard specifications/ Equipment/Techniques used	Facility
34	Ether	Residue on evaporation	0.0001 g/100ml to 0.01 g/100ml	Annex A-6 of IS 336	Permanent
35	Ether	Methyl alcohol	Qualitative	Annex A-7 of IS 336	Permanent
36	Ether	Aldehydes and acetone	Qualitative	Annex A-8 of IS 336	Permanent
37	Ether	Sulphurous acid and other free acids	Qualitative	Annex A-9 of IS 336	Permanent
Discipline: Chemical Group: Industrial & Fine Chemical					
38	Packaging Material	Design, Shape and Dimensions	Qualitative	IS:15410	Permanent
39	Packaging Material	Manufacture, Workmanship, Finish & Appearance	Qualitative	IS:15410	Permanent
40	Packaging Material	Brimful capacity	Qualitative	Clause 5 of IS:2798	Permanent
41	Packaging Material	Wall Thickness Top	0.05 mm to 10 mm	Clause 4.5 of IS:2798	Permanent
42	Packaging Material	Wall Thickness Middle	0.05 mm to 10 mm	Clause 4.5 of IS:2798	Permanent



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Sr. No.	Product/ Material to be tested	Parameter/ Type of test/ Properties Measured	Range of measurement/ detection limit	Standard specifications/ Equipment/Techniques used	Facility
43	Packaging Material	Wall Thickness Bottom	0.05 mm to 10 mm	Clause 4.5 of IS:2798	Permanent
44	Packaging Material	Transparency	50% to 99%	Annex-A of IS:15410	Permanent
45	Packaging Material	Closure leakage	Qualitative	Clause-6.1 of IS:2798	Permanent
46	Packaging Material	Vibration leakage	Qualitative	Clause-6.2 of IS:2798	Permanent
47	Packaging Material	Drop Test	Qualitative	Clause-8 of IS:2798	Permanent
48	Packaging Material	Stack Load Test	Qualitative	Clause-9 of IS:2798	Permanent
49	Packaging Material	Overall Migration Test in Distilled Water (Simulant A)	5 mg/kg to 80 mg/kg	IS:9845	Permanent
50	Packaging Material	Specific Migration of Barium in Distilled Water (Simulant A)	0.01 mg/kg to 1mg/kg	IS 3025 (Part 65)	Permanent
51	Packaging Material	Specific Migration of Cobalt in Distilled Water (Simulant A)	0.01 mg/kg to 1mg/kg	IS 3025 (Part 65)	Permanent



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Sr. No.	Product/ Material to be tested	Parameter/ Type of test/ Properties Measured	Range of measurement/ detection limit	Standard specifications/ Equipment/Techniques used	Facility
52	Packaging Material	Specific Migration of Copper in Distilled Water (Simulant A)	0.01 mg/kg to 1mg/kg	IS 3025 (Part 65)	Permanent
53	Packaging Material	Specific Migration of Iron in Distilled Water (Simulant A)	0.01 mg/kg to 1mg/kg	IS 3025 (Part 65)	Permanent
54	Packaging Material	Specific Migration of Lithium in Distilled Water (Simulant A)	0.01 mg/kg to 1mg/kg	IS 3025 (Part 65)	Permanent
55	Packaging Material	Specific Migration of Manganese in Distilled Water (Simulant A)	0.01 mg/kg to 1mg/kg	IS 3025 (Part 65)	Permanent
56	Packaging Material	Specific Migration of Zinc in Distilled Water (Simulant A)	0.01 mg/kg to 1mg/kg	IS 3025 (Part 65)	Permanent
57	Packaging Material	Specific Migration of Antimony in Distilled Water (Simulant A)	0.01 mg/kg to 1mg/kg	IS 3025 (Part 65)	Permanent



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Sr. No.	Product/ Material to be tested	Parameter/ Type of test/ Properties Measured	Range of measurement/ detection limit	Standard specifications/ Equipment/Techniques used	Facility
58	Packaging Material	Specific Migration of Phthalic acid, bis (2-ethylhexyl) ester (DEHP) in Distilled Water (Simulant A)	1 mg/kg to 10 mg/kg	ISO 18856	Permanent
59	Packaging Material	Colour Migration in Distilled Water (Simulant A) - Colour Test	Qualitative	IS 3025 (Part 4)	Permanent
60	Packaging Material	Water Potability Test (after 30 days contact with Distilled Water) (Simulant A) - Odour Test	Qualitative	IS 3025 (Part 5)	Permanent
61	Packaging Material	Water Potability Test (after 30 days contact with Distilled Water) (Simulant A) - Taste Test	Qualitative	IS 3025 (Part 8)	Permanent



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