National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SRF LIMITED, CHEMICAL BUSINESS, QUALITY ASSURANCE LABORATORY, D-2/1, GIDC, PHASE II, PCPIR, DAHEJ, BHARUCH, GUJARAT, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	1,1,1,2-Tetrafluoroethane (R 134a) & R134)	AHRI Standard 700-2014, Part 9
2	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	Acidity as Hydrochloric acid (HCl)	AHRI Standard 700-2014, Part 1
3	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	Air & other non-condensable in vapor phase, v/v, Maximum @ 25°C	AHRI Standard 700-2014, Part 5
4	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	All Other Volatile Impurities	AHRI Standard 700-2014, Part 9
5	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	Appearance	AHRI Standard 700-2014, Part 3
6	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	Chloride, no visible turbidity (Indicates about 3 ppm)	AHRI Standard 700-2014, Part 4
7	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	Foreign Odor	AHRI Standard 700-2014, Part 3
8	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	Halogenated unsaturated Volatile Impurities	AHRI Standard 700-2014, Part 9
9	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	High Boiling Residue	AHRI Standard 700-2014, Part 3
10	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	Isomer Content	AHRI Standard 700-2014, Part 9
11	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	Methyl chloride (R-40)	AHRI Standard 700-2014, Part-9
12	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	Particulates/Solids	AHRI Standard 700-2014, Part 3
13	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	1,1,1,2-Tetrafluoroethane	Water	AHRI Standard 700-2014, Part 2
14	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	3-Chloro-5-trichloromethyl-cyclopentene	Appearance	SCB/D/STP/FG/P-18/001
15	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	3-Chloro-5-trichloromethyl-cyclopentene	Content of 3-Chloro-5-trichloromethyl-cyclopentene	SCB/D/STP/FG/P-18/001
16	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid	Appearance (Color & Form)	SCB/D/STP/FG/P-17/001
17	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid	Appearance (Color & Form)	SCB/D/STP/FG/P-17/003

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18	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid	Content of CA4312 (3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid)	SCB/D/STP/FG/P-17/003
19	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxylic acid	DFM-pyrazolic acid	SCB/D/STP/FG/P-17/001
20	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Chloroform	Acidity as hydrochloric acid	ASTM D2989-01
21	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Chloroform	Appearance	ASTM D3741-00
22	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Chloroform	Carbon Tetrachloride	ASTM D6806-02
23	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Chloroform	Color	ASTM D2109-01
24	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Chloroform	Free Halogens	FCB-D/QA/STP/CMS-07
25	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Chloroform	Methylene Chloride	ASTM D6806-02
26	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Chloroform	Non Volatile Residue	ASTM D2109-01
27	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Chloroform	Purity	ASTM D6806-02
28	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Chloroform	Stabilizer (2-methyl-2-butene)	ASTM D6806-02
29	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Chloroform	Water	ASTM D3401
30	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluoroacetic acid ethyl ester	Appearance	SCB/D/STP/FG/P-6/001
31	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluoroacetic acid ethyl ester	Difluoroacetic acid ethyl ester (Ethyldifluoro acetate)	SCB/D/STP/FG/P-6/001
32	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluoroacetic acid ethyl ester	Ethanol	SCB/D/STP/FG/P-6/001
33	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluoroacetic acid ethyl ester	Individual organic by product(s)	SCB/D/STP/FG/P-6/001
34	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluoroacetic acid ethyl ester	Total other Difluoroacetate (Methyl-, Propyl-) calculated as EDFA	SCB/D/STP/FG/P-6/001
35	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluoromethane	Odor	QA1/STP/F-32/01

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36	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluromethane	Acidity as HCl	AHRI Standard 700-2014, Part 1
37	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluromethane	Air & other non-condensable gases in vapor phase @ 25°C	AHRI Standard 700-2014, Part 5
38	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluromethane	All Other Volatile Impurities	AHRI Standard 700-2014,Part 9
39	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluromethane	Appearance	AHRI Standard 700-2014, Part 3
40	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluromethane	Chloride (Indicates maximum 3 ppm)	AHRI Standard 700-2014, Part 4
41	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluromethane	High Boiling Residue	AHRI Standard 700-2014, Part 3
42	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluromethane	Particulate/Solids	AHRI Standard 700-2014, Part 3
43	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluromethane	Purity	AHRI Standard 700-2014,Part 9
44	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Difluromethane	Water	AHRI Standard 700-2014, Part 2
45	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ethyl Tri-fluoro Acetate	Appearance	SCB/D/STP/FG/P-07/001
46	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ethyl Tri-fluoro Acetate	Moisture	SCB/D/STP/FG/P-07/001
47	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Ethyl Tri-fluoro Acetate	Purity by GC	SCB/D/STP/FG/P-07/001
48	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	F-410A (Blend of Pentafluoroethane and Difluromethane)	1,1,1,2,2-Pentafluoroethane	AHRI Standard 700-2014,Part 10
49	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	F-410A (Blend of Pentafluoroethane and Difluromethane)	Acidity, as Hydrochloric Acid (HCl)	AHRI Standard 700-2014, Part 1
50	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	F-410A (Blend of Pentafluoroethane and Difluromethane)	Air & other non-condensable gases in vapor phase @ 25°C	AHRI Standard 700-2014, Part 5
51	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	F-410A (Blend of Pentafluoroethane and Difluromethane)	All Other Volatile impurities	AHRI Standard 700-2014,Part 10
52	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	F-410A (Blend of Pentafluoroethane and Difluromethane)	Appearance	QA1/STP/F-410A/01
53	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	F-410A (Blend of Pentafluoroethane and Difluromethane)	Chloride (Indicates maximum 3 ppm)	AHRI Standard 700-2014, Part 4
54	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	F-410A (Blend of Pentafluoroethane and Difluromethane)	Difluoromethane	AHRI Standard 700-2014,Part 10

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55	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	F-410A (Blend of Pentafluoroethane and Difluromethane)	High boiling residue	AHRI Standard 700-2014, Part 3
56	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	F-410A (Blend of Pentafluoroethane and Difluromethane)	Odor	QA1/STP/F-410A/01
57	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	F-410A (Blend of Pentafluoroethane and Difluromethane)	Particulates/Solids	AHRI Standard 700-2014, Part 3
58	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	F-410A (Blend of Pentafluoroethane and Difluromethane)	Water	AHRI Standard 700-2014,Part 2
59	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Methylene Chloride	Acidity as hydrochloric acid	ASTM D2989-01
60	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Methylene Chloride	Appearance	ASTM D3741-00
61	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Methylene Chloride	Carbon Tetrachloride	ASTM D6806-02
62	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Methylene Chloride	Chloroform	ASTM D6806-02
63	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Methylene Chloride	Color	ASTM D2108-10
64	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Methylene Chloride	Free halogen	FCB-D/QA/STP/CMS-07
65	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Methylene Chloride	Non Volatile Residue	ASTM D2109-01
66	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Methylene Chloride	Purity	ASTM D6806-02
67	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Methylene Chloride	Stabilizer (2-methyl-2-butene)	ASTM D6806-02
68	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Methylene Chloride	Water	ASTM D3401-97
69	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Pentafluoroethane	Acidity, as Hydrochloric Acid (HCl)	AHRI Standard 700-2014, Part 1
70	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Pentafluoroethane	Air & other non-condensable gases in vapor phase @ 25°C	AHRI Standard 700-2014, Part 5
71	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Pentafluoroethane	All Other Volatile Impurities	AHRI Standard 700-2014,Part 7
72	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Pentafluoroethane	Appearance	QA1/STP/F-125/01
73	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Pentafluoroethane	Chloride (Indicates maximum 3 ppm)	AHRI Standard 700-2014, Part 4

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74	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Pentafluoroethane	High Boiling Residue	AHRI Standard 700-2014, Part 3
75	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Pentafluoroethane	Odor	QA1/STP/F-125/01
76	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Pentafluoroethane	Particulates / Solids	AHRI Standard 700-2014, Part 3
77	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Pentafluoroethane	Purity	AHRI Standard 700-2014,Part 7
78	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Pentafluoroethane	Water	AHRI Standard 700-2014, Part 2
79	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Perchloroethylene	Alkalinity as NaOH	ASTM D2989-01
80	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Perchloroethylene	Appearance	ASTM D3741-00
81	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Perchloroethylene	Color	ASTM D2108-10
82	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Perchloroethylene	Distillation yield between 119 to 122°C	IS : 5297-1977
83	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Perchloroethylene	Moisture	ASTM D 3401, 97
84	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Perchloroethylene	Non-Volatile Residue	ASTM D 2109-01
85	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Perchloroethylene	pH	ASTM : D2110-00
86	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Perchloroethylene	Purity	ASTM D6806-02
87	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Perchloroethylene	Relative density	IS: 5297
88	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Perchloroethylene	Residue on evaporation	IS: 5297 – 1977
89	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Trichloroethylene	Acidity, as Hydrochloric Acid (HCl)	ASTM D2989-01
90	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Trichloroethylene	Alkalinity as Na2CO3	IS: 245 - 1988
91	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Trichloroethylene	Appearance	ASTM D3741-00
92	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Trichloroethylene	Color	ASTM D2108-10

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93	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Trichloroethylene	Moisture	ASTM D 3401-97
94	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Trichloroethylene	Purity	ASTM D6806-02
95	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Trichloroethylene	Total Impurities	ASTM D6806-02
96	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Trifluoroacetic acid	Appearance	SCB/D/STP/FG/P-02/001
97	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Trifluoroacetic acid	Moisture	SCB/D/STP/FG/P-02/001
98	CHEMICAL- INDUSTRIAL & FINE CHEMICALS	Trifluoroacetic acid	Purity by Titrimetry	SCB/D/STP/FG/P-02/001