National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	QA/QC LAB, RELIANCE INDUSTRIES LIMITED, HAZIRA MANUFACTURING DIVISION, SURAT-HAZIRA ROAD, SURAT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6841	**Page No**	1 of 7
Validity	29/01/2022 to 28/01/2024	**Last Amended on**	05/04/2022

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- PETROLEUM AND PRODUCTS	1,3 Butadiene	Butadiene Dimer	ASTM D 2426
2	CHEMICAL- PETROLEUM AND PRODUCTS	1,3 Butadiene	Moisture	ASTM E 203
3	CHEMICAL- PETROLEUM AND PRODUCTS	1,3 Butadiene	Purity	ASTM D 2593
4	CHEMICAL- PETROLEUM AND PRODUCTS	1,3 Butadiene	Tertiary Butyl Catechol	ASTM D 1157
5	CHEMICAL- PETROLEUM AND PRODUCTS	1,3 Butadiene	Total Acetylene	ASTM D 2593
6	CHEMICAL- PETROLEUM AND PRODUCTS	Aromatics (Common for Benzene / Toluene)	Acid Wash Colour	ASTM D 848
7	CHEMICAL- PETROLEUM AND PRODUCTS	Aromatics (Common for Benzene / Toluene)	Acidity	ASTM D 847
8	CHEMICAL- PETROLEUM AND PRODUCTS	Aromatics (Common for Benzene / Toluene)	Distillation Range 1 to 96 % volume	ASTM D 850
9	CHEMICAL- PETROLEUM AND PRODUCTS	Aromatics (Common for Benzene / Toluene)	Moisture	ASTM E 203
10	CHEMICAL- PETROLEUM AND PRODUCTS	Aromatics (Common for Benzene / Toluene)	Sp Gr @ 15.5 / 15.5 °C	ASTM D 4052
11	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	Bromine Index	ASTM D 1492
12	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	HC imp. in Benzene by GC - Methylcyclohexane	ASTM D 7504
13	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	HC imp. in Benzene by GC - n-Heptane	ASTM D 7504
14	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	HC imp. in Benzene by GC - Toluene	ASTM D 7504
15	CHEMICAL- PETROLEUM AND PRODUCTS	Benzene	HC imp. in Benzene by GC - Total Non Aromatics	ASTM D 7504
16	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	1,3 Butadiene	ASTM D 4424
17	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	Acetylene	ASTM D 6159
18	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	Cis-But-2-ene	ASTM D 4424

SCOPE OF ACCREDITATION

Laboratory Name : QA/QC LAB, RELIANCE INDUSTRIES LIMITED, HAZIRA MANUFACTURING DIVISION, SURAT-HAZIRA ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6841 **Page No** 2 of 7

Validity 29/01/2022 to 28/01/2024 **Last Amended on** 05/04/2022

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
19	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	Ethane	ASTM D 4424
20	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	Ethylene	ASTM D 4424
21	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	i-butane	ASTM D 4424
22	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	I-butylene	ASTM D 4424
23	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	i-pentane	ASTM D 4424
24	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	Methane	ASTM D 4424
25	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	n-butane	ASTM D 4424
26	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	n-pentane	ASTM D 4424
27	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	Propane	ASTM D 4424
28	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	Propylene	ASTM D 4424
29	CHEMICAL- PETROLEUM AND PRODUCTS	Butene-1	T-But-2-ene	ASTM D 4424
30	CHEMICAL- PETROLEUM AND PRODUCTS	Cyclohexane	Benzene Impurity	ASTM D 7266
31	CHEMICAL- PETROLEUM AND PRODUCTS	Cyclohexane	Boiling Range	ASTM D 850
32	CHEMICAL- PETROLEUM AND PRODUCTS	Cyclohexane	Methyl Cyclo Hexane impurities	ASTM D 7266
33	CHEMICAL- PETROLEUM AND PRODUCTS	Cyclohexane	Methyl Cyclo Pentane Impurity	ASTM D 7266
34	CHEMICAL- PETROLEUM AND PRODUCTS	Cyclohexane	Moisture	ASTM E 203
35	CHEMICAL- PETROLEUM AND PRODUCTS	Diethylene Glycol (DEG)	MEG in DEG	ASTM E 2409
36	CHEMICAL- PETROLEUM AND PRODUCTS	Diethylene Glycol (DEG)	TEG in DEG	ASTM E 2409
37	CHEMICAL- PETROLEUM AND PRODUCTS	Ethylene	Acetylene	ASTM D 6159

SCOPE OF ACCREDITATION

Laboratory Name :	QA/QC LAB, RELIANCE INDUSTRIES LIMITED, HAZIRA MANUFACTURING DIVISION, SURAT-HAZIRA ROAD, SURAT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6841	**Page No**	3 of 7
Validity	29/01/2022 to 28/01/2024	**Last Amended on**	05/04/2022

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
38	CHEMICAL- PETROLEUM AND PRODUCTS	Ethylene	Carbon Dioxide	ASTM D 2505
39	CHEMICAL- PETROLEUM AND PRODUCTS	Ethylene	Carbon Monoxide	ASTM D 2504
40	CHEMICAL- PETROLEUM AND PRODUCTS	Ethylene	Ethane	ASTM D 6159
41	CHEMICAL- PETROLEUM AND PRODUCTS	Ethylene	Methane	ASTM D 6159
42	CHEMICAL- PETROLEUM AND PRODUCTS	Ethylene	Propadiene	ASTM D 6159
43	CHEMICAL- PETROLEUM AND PRODUCTS	Ethylene	Propane	ASTM D 6159
44	CHEMICAL- PETROLEUM AND PRODUCTS	Ethylene	Propylene	ASTM D 6159
45	CHEMICAL- PETROLEUM AND PRODUCTS	Ethylene	T-Butene	ASTM D 6159
46	CHEMICAL- PETROLEUM AND PRODUCTS	Ethylene Oxide	Aldehyde as CH3CHO	SMS 2786
47	CHEMICAL- PETROLEUM AND PRODUCTS	Ethylene Oxide	Carbon Dioxide	SMS 1968
48	CHEMICAL- PETROLEUM AND PRODUCTS	Ethylene Oxide	Water	ASTM E 203
49	CHEMICAL- PETROLEUM AND PRODUCTS	Glycols (Common for Mono / Di / Tri Ethylene Glycol)	Dist. Range - at 5% dist	ASTM D 1078
50	CHEMICAL- PETROLEUM AND PRODUCTS	Glycols (Common for Mono / Di / Tri Ethylene Glycol)	Dist. Range - at 95% Distillation	ASTM D 1078
51	CHEMICAL- PETROLEUM AND PRODUCTS	Glycols (Common for Mono / Di / Tri Ethylene Glycol)	Sp.Gr@20/20°C	ASTM D 4052
52	CHEMICAL- PETROLEUM AND PRODUCTS	Glycols (Common for Mono / Di / Tri Ethylene Glycol)	Water	ASTM E 1064
53	CHEMICAL- PETROLEUM AND PRODUCTS	Mix xylene solvent	Acid Wash Colour	ASTM D 848
54	CHEMICAL- PETROLEUM AND PRODUCTS	Mix Xylene Solvent	Acidity	ASTM D 847
55	CHEMICAL- PETROLEUM AND PRODUCTS	Mix Xylene Solvent	Benzene	ASTM D 6563
56	CHEMICAL- PETROLEUM AND PRODUCTS	Mix Xylene Solvent	Cu Corrosion	ASTM D 849

SCOPE OF ACCREDITATION

Laboratory Name : QA/QC LAB, RELIANCE INDUSTRIES LIMITED, HAZIRA MANUFACTURING DIVISION, SURAT-HAZIRA ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6841 **Page No** 4 of 7

Validity 29/01/2022 to 28/01/2024 **Last Amended on** 05/04/2022

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
57	CHEMICAL- PETROLEUM AND PRODUCTS	Mix Xylene Solvent	Distillation Range-DP	ASTM D 850
58	CHEMICAL- PETROLEUM AND PRODUCTS	Mix Xylene Solvent	Distillation Range-IBP	ASTM D 850
59	CHEMICAL- PETROLEUM AND PRODUCTS	Mix Xylene Solvent	Ethyl Benzene	ASTM D 6563
60	CHEMICAL- PETROLEUM AND PRODUCTS	Mix Xylene Solvent	Mixed Xylene	ASTM D 6563
61	CHEMICAL- PETROLEUM AND PRODUCTS	Mix Xylene Solvent	Non Aromatic	ASTM D 6563
62	CHEMICAL- PETROLEUM AND PRODUCTS	Mix Xylene Solvent	Relative Density @ 15.5/15.5 °C	ASTM D 4052
63	CHEMICAL- PETROLEUM AND PRODUCTS	Mix Xylene Solvent	Toluene	ASTM D 6563
64	CHEMICAL- PETROLEUM AND PRODUCTS	Mono Ethylene Glycol (MEG)	Aldehyde as CH3CHO	ASTM E 2313
65	CHEMICAL- PETROLEUM AND PRODUCTS	Mono Ethylene Glycol (MEG)	DEG in MEG	ASTM E 2409
66	CHEMICAL- PETROLEUM AND PRODUCTS	Mono Ethylene Glycol (MEG)	Iron as Fe	ASTM E 394
67	CHEMICAL- PETROLEUM AND PRODUCTS	MTBE	C4’s	ASTM D 5441
68	CHEMICAL- PETROLEUM AND PRODUCTS	MTBE	C5’s	ASTM D 5441
69	CHEMICAL- PETROLEUM AND PRODUCTS	MTBE	Density @ 20 °C	ASTM D 4052
70	CHEMICAL- PETROLEUM AND PRODUCTS	MTBE	DIB	ASTM D 5441
71	CHEMICAL- PETROLEUM AND PRODUCTS	MTBE	Methanol	ASTM D 5441
72	CHEMICAL- PETROLEUM AND PRODUCTS	MTBE	Moisture	ASTM D 1364
73	CHEMICAL- PETROLEUM AND PRODUCTS	MTBE	MSBE	ASTM D 5441
74	CHEMICAL- PETROLEUM AND PRODUCTS	MTBE	Purity	ASTM D 5441
75	CHEMICAL- PETROLEUM AND PRODUCTS	MTBE	TBA	ASTM D 5441

SCOPE OF ACCREDITATION

Laboratory Name : QA/QC LAB, RELIANCE INDUSTRIES LIMITED, HAZIRA MANUFACTURING DIVISION, SURAT-HAZIRA ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6841 **Page No** 5 of 7

Validity 29/01/2022 to 28/01/2024 **Last Amended on** 05/04/2022

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
76	CHEMICAL- PETROLEUM AND PRODUCTS	Para Diethyl Benzene	Bromine Index	ASTM D 1492
77	CHEMICAL- PETROLEUM AND PRODUCTS	Para Diethyl Benzene	Purity	UOP 744
78	CHEMICAL- PETROLEUM AND PRODUCTS	Para Diethyl Benzene	Sp. Gr.@ 15.5/15.5°C	ASTM D 4052
79	CHEMICAL- PETROLEUM AND PRODUCTS	Polypropylene	Xylene Soluble	ASTM D 5492
80	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	1-Butene	ASTM D 2712
81	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Acetylene	ASTM D 2712
82	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Carbon Dioxide	ASTM D 2505
83	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Carbon Monoxide	ASTM D 2504
84	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Ethane	ASTM D 2712
85	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Iso Butane	ASTM D 2712
86	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Iso Butylene	ASTM D 2712
87	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Methane	ASTM D 2712
88	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	n-Butane	ASTM D 2712
89	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Propadiene	ASTM D 2712
90	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	Propane	ASTM D 2712
91	CHEMICAL- PETROLEUM AND PRODUCTS	Propylene	T-2 Butene	ASTM D 2712
92	CHEMICAL- PETROLEUM AND PRODUCTS	Pure Terephthalic Acid (PTA)	4-Carboxy Benzaldehyde	ASTM D7884
93	CHEMICAL- PETROLEUM AND PRODUCTS	Pure Terephthalic Acid (PTA)	b* Value	QAC-PTA-3.202
94	CHEMICAL- PETROLEUM AND PRODUCTS	Pure Terephthalic Acid (PTA)	Chromium	ASTM D 8130

SCOPE OF ACCREDITATION

Laboratory Name : QA/QC LAB, RELIANCE INDUSTRIES LIMITED, HAZIRA MANUFACTURING DIVISION, SURAT-HAZIRA ROAD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6841 **Page No** 6 of 7

Validity 29/01/2022 to 28/01/2024 **Last Amended on** 05/04/2022

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
95	CHEMICAL- PETROLEUM AND PRODUCTS	Pure Terephthalic Acid (PTA)	Cobalt	ASTM D 8130
96	CHEMICAL- PETROLEUM AND PRODUCTS	Pure Terephthalic Acid (PTA)	Iron	ASTM D 8130
97	CHEMICAL- PETROLEUM AND PRODUCTS	Pure Terephthalic Acid (PTA)	Manganese	ASTM D 8130
98	CHEMICAL- PETROLEUM AND PRODUCTS	Pure Terephthalic Acid (PTA)	Millipore	QAC-PTA-3.206
99	CHEMICAL- PETROLEUM AND PRODUCTS	Pure Terephthalic Acid (PTA)	MPS (Median Particle Size)	QAC-PTA-3.214
100	CHEMICAL- PETROLEUM AND PRODUCTS	Pure Terephthalic Acid (PTA)	p-Toluic Acid	ASTM D7884
101	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	Cu Corrosion	ASTM D 849
102	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	HC imp. in Toluene by GC - Benzene Imp	ASTM D 7504
103	CHEMICAL- PETROLEUM AND PRODUCTS	Toluene	HC imp. in Toluene by GC - Non Aromatics	ASTM D 7504
104	CHEMICAL- PETROLEUM AND PRODUCTS	Triethylene Glycol (TEG)	DEG in TEG	ASTM E 2409
105	CHEMICAL- PETROLEUM AND PRODUCTS	Triethylene Glycol (TEG)	MEG in TEG	ASTM E 2409
106	CHEMICAL- PETROLEUM AND PRODUCTS	Triethylene Glycol (TEG)	TTEG in TEG	ASTM E 2409
107	CHEMICAL- WATER	Treated water	COD	APHA 23rd Edn 5220 B
108	CHEMICAL- WATER	Treated water	pH	APHA 23rd Edn 4500-H+ B
109	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Poly Ethylene (PE)	Melt Flow Index	ASTM D 1238
110	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Poly Propylene (PP)	Melt Flow Index	ASTM D 1238
111	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Poly Propylene (PP)	Yellowness Index	ASTM E 313
112	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Poly Vinyl Chloride (PVC)	Average Particle Size	ASTM D 1921
113	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Poly Vinyl Chloride (PVC)	Inherent Viscosity	ASTM D 1243
114	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Poly Vinyl Chloride (PVC)	Porosity	QAP-QA-3.204

SCOPE OF ACCREDITATION

Laboratory Name :	QA/QC LAB, RELIANCE INDUSTRIES LIMITED, HAZIRA MANUFACTURING DIVISION, SURAT-HAZIRA ROAD, SURAT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6841	**Page No**	7 of 7
Validity	29/01/2022 to 28/01/2024	**Last Amended on**	05/04/2022

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
115	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Poly Butadiene Rubber (PBR)	Mooney viscosity	ASTM D1646
116	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Poly Butadiene Rubber (PBR)	Volatile Matter	ASTM D5668, Method A
117	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Styrene Butadiene Rubber (SBR)	Mooney viscosity	ASTM D1646
118	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Styrene Butadiene Rubber (SBR)	Volatile Matter	ASTM D5668