# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** C2 LABORATORY, RELIANCE INDUSTRIES LIMITED, RELIANCE INDUSTRIES LIMITED, JAMNAGAR, GUJARAT, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-9404 **Page No** 1 of 3

**Validity** 05/04/2021 to 04/04/2023 **Last Amended on** -

| 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 | DIETHYLENE GLYCOL(DEG) | Suspended matter | ASTM D4176 |
| 2 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | Appearance | ASTM D4176 |
| 3 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | COLOUR | ASTM D1209 |
| 4 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | Distillation Temp. at 5% Vol. recovery | ASTM D1078 |
| 5 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | Distillation Temp. at 95% Vol. recovery | ASTM D1078 |
| 6 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | MEG Impurities in High Purity DEG | ASTM E2409 |
| 7 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | MEG Impurities in High Purity DEG | ASTM E2409 |
| 8 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | MEG+TEG Impurities in High Purity DEG | ASTM E2409 |
| 9 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | MEG+TEG Impurities in High Purity DEG | ASTM E2409 |
| 10 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | MEG+TEG Impurities in High Purity DEG | ASTM E2409 |
| 11 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | Specific Gravity @ 20/20 Deg. C | ASTM D4052 |
| 12 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | TEG Impurities in High Purity DEG | ASTM E2409 |
| 13 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | TEG Impurities in High Purity DEG | ASTM E2409 |
| 14 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | TEG Impurities in High Purity DEG | ASTM E2409 |
| 15 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(DEG) | WATER | ASTM E1064 |
| 16 | CHEMICAL- PETROLEUM AND PRODUCTS | DIETHYLENE GLYCOL(MEG) | MEG Impurities in High Purity DEG | ASTM E2409 |
| 17 | CHEMICAL- PETROLEUM AND PRODUCTS | LINEAR LOW DENSITY POLYETHYLENE (LLDPE) & LOW DENSITY POLYETHYLENE(LDPE) | Density | ASTM D792 |
| 18 | CHEMICAL- PETROLEUM AND PRODUCTS | LINEAR LOW DENSITY POLYETHYLENE (LLDPE) & LOW DENSITY POLYETHYLENE(LDPE) | MFI (Melt Flow Index) | ASTM D1238 |

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| 19 | CHEMICAL- PETROLEUM AND PRODUCTS | LINEAR LOW DENSITY POLYETHYLENE (LLDPE) & LOW DENSITY POLYETHYLENE(LDPE) | MFI (Melt Flow Index) | ASTM D1238 |
| 20 | CHEMICAL- PETROLEUM AND PRODUCTS | LINEAR LOW DENSITY POLYETHYLENE (LLDPE) & LOW DENSITY POLYETHYLENE(LDPE) | MFI (Melt Flow Index) | ASTM D1238 |
| 21 | CHEMICAL- PETROLEUM AND PRODUCTS | LINEAR LOW DENSITY POLYETHYLENE(LLDPE) & LOW DENSITY POLYETHYLENE(LDPE) | MFI (Melt Flow Index) | ASTM D1238 |
| 22 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | Aldehyde as Acetaldehyde | ASTM E2313 |
| 23 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | Appearance | ASTM D4176 |
| 24 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | Ash Content | ASTM D482 |
| 25 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | Chloride as Cl | ASTM E2469 |
| 26 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | COLOUR | ASTM D1209 |
| 27 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | DEG Impurities in High Purity MEG | ASTM E2409 |
| 28 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | DEG Impurities in High Purity MEG | ASTM E2409 |
| 29 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | DEG Impurities in High Purity MEG | ASTM E2409 |
| 30 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | Distillation Temp. at 5% Vol. recovery | ASTM D1078 |
| 31 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | Distillation Temp. at 95% Vol. recovery | ASTM D1078 |
| 32 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | Iron as Fe | ASTM E394 |
| 33 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | Specific Gravity @ 20/20 Deg. C | ASTM D4052 |
| 34 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | Suspended matter | ASTM D4176 |
| 35 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | TEG Impurities in High Purity MEG | ASTM E2409 |
| 36 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | TEG Impurities in High Purity MEG | ASTM E2409 |
| 37 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | UV Transmittance at 220 nm | ASTM E2193 |

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| 38 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | UV Transmittance at 275 nm | ASTM E2193 |
| 39 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | UV Transmittance at 350 nm | ASTM E2193 |
| 40 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) | WATER | ASTM E1064 |
| 41 | CHEMICAL- PETROLEUM AND PRODUCTS | MONOETHYLENE GLYCOL(MEG) & DIETHYLENE GLYCOL(DEG) | Acidity as Acetic acid | ASTM D1613 |