

PT Provider Green Economy Initiatives Private Limited, 215, Silver City, Main Ambala, Chandigarh Express Highway, Zirakpur, Mohali, Punjab

Accreditation Standard ISO/IEC 17043:2010

Certificate Number PC-1005 (in lieu of P-0014)

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Validity 29.04.2016 to 28.04.2018

Last Amended on 12.06.2017

| S.No. | Proficiency Testing Scheme | Proficiency Testing Item | Analyte/ Parameter/ Test Method |
|-------|----------------------------|--------------------------|---------------------------------|
|-------|----------------------------|--------------------------|---------------------------------|

CHEMICAL TESTING

| | | | |
|------------|--|---|---|
| I. | SAMPLING SCHEME | Ambient Air | Process of sampling for particulate matter PM 10 |
| | | | Process of sampling for particulate matter PM 2.5 |
| | | | Process of Sampling for Gases- SO ₂ , NO ₂ , O ₃ , NH ₃ |
| | | Noise | Process of Sampling for Ambient Noise |
| | | | Process of Sampling for Noise (Source) from DG set |
| | | Stack Emissions | Process of sampling for particulate matter in stack |
| | | | Process of Sampling for Gases- SO ₂ , NO ₂ , CO ₂ , O ₂ |
| II. | DATA TRANSFORMATION AND INTERPRETATION SCHEME | Case Study on Ambient Air Monitoring | Interpretation of Particulate Matter (PM 10) levels in ambient air |
| | | | Interpretation of Particulate Matter (PM 2.5) levels in ambient air |
| | | Case Study on Noise Levels Monitoring | Interpretation of Noise Levels in ambient Air |
| | | | Interpretation of Noise Pollution from Source (DG Sets) |
| | | Case Study on Stack Emissions Monitoring | Interpretation of Particulate Matter Levels from Source emissions |

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| III. | SIMULTANEOUS SCHEME | Ambient Air | Lead |
| | | | Arsenic |
| | | | Nickel |
| | | | PM 10 |
| | | | PM 2.5 |
| | | | SO ₂ |
| | | | NO ₂ |
| | | Stack Emissions | PM |
| | | | SO ₂ |
| | | | NO ₂ |
| | | Water | Colour |
| | | | pH |
| | | | Turbidity |
| | | | TDS |
| | | | Ammonia as NH ₃ -N |
| | | | Anionic Detergent (as MBAS) |
| | | | Boron |
| | | | Calcium |
| | | | Chloride |
| | | | Chloride Residual |
| | | | Fluoride |
| | | | Magnesium |
| | | | Nitrate (NO ₃) |
| | | | Phenolic Compounds |
| | | | Sulphate (SO ₄ /SO ₃) |
| | | | Total Hardness (as CaCO ₃) |
| | | | Alkalinity |
| | | | Potassium |
| | | | Sodium |

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| | SIMULTANEOUS SCHEME | Water | Conductivity |
| | | | COD |
| | | | Acidity |
| | | | Silica (SiO ₂) |
| | | | Phosphorous |
| | | | Organic/ Inorganic Solids |
| | | | Acidity/Alkalinity |
| | | | Aluminium |
| | | | Arsenic |
| | | | Antimony |
| | | | Barium |
| | | | Copper |
| | | | Cadmium |
| | | | Total Chromium |
| | | | Iron |
| | | | Lead |
| | | | Manganese |
| | | | Mercury |
| | | | Molybdenum |
| | | | Nickel |
| | | | Selenium |
| | | | Silver |
| | | | Zinc |
| | | Waste Water (Treated Water) | pH |
| | | | Conductivity |
| | | | COD |
| | | | TDS |
| | | | Acidity |
| | | | BOD |
| | | | TSS |

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| | SIMULTANEOUS SCHEME | Waste Water (Treated Water) | Ammonia NH ₃ -N |
| | | | Kjedldhal Nitrogen TKN-N |
| | | | Nitrate (NO ₃) |
| | | | Phosphorous |
| | | | Oil & Grease |
| | | | Arsenic |
| | | | Copper |
| | | | Cadmium |
| | | | Total Chromium |
| | | | Hexavalent Chromium |
| | | | Iron |
| | | | Lead |
| | | | Manganese |
| | | | Mercury |
| | | | Nickel |
| | | | Selenium |
| | | | Zinc |
| | | Pharmaceuticals substances & their products | pH |
| | | | Titrimetry (acid/ base) |
| | | | Density |
| | | | Refractive Index |
| | | | Loss on Drying |
| | | | Melting Point |
| | | | Dynamic Viscosity |
| | | | Kinematic Viscosity |
| | | | HPLC Analysis (Assay) |
| | | | GC Analysis |
| | | | i. Assay |
| | | | ii. Related substances/ impurities |
| | | | Identification (IR) |

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| | SIMULTANEOUS SCHEME | Pharmaceuticals substances & their products | UV Analysis i. Assay ii. Related substances/ impurities | |
| | | | Polarimetry (Optical Rotation) | |
| | | | Dissolution | |
| | | | Moisture | |
| | | Food Honey | Specific Gravity | |
| | | | Moisture | |
| | | | Total Reducing Sugars | |
| | | | Sucrose | |
| | | | Optical Density | |
| | | | Hydroxy Methyl Furdural | |
| | | Ready to Eat/Cooked Food (Protein Rich) | Total Sugar | |
| | | | Protein | |
| | | | Ash | |
| | | | Moisture | |
| | | | Carbohydrates | |
| | | | Energy | |
| | | Fruits & Vegetable Products | Fat | |
| | | | Benzoic Acid | |
| | | | Total Soluble Solids | |
| | | | Acidity | |
| | | | Infant Food | Fat |
| | | | | Chloride |
| | | Iron | | |
| | | Magnesium | | |
| | | Phosphorus | | |

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| | SIMULTANEOUS SCHEME | Infant Food | Copper |
| | | | Zinc |
| | | | Manganese |
| | | | Selenium |
| | | | Potassium |
| | | | Sodium |
| | | | Calcium |
| | | | Vitamin A |
| | | | Vitamin C |
| | | | Vitamin B6 |
| | | Metals in Food | Lead |
| | | | Copper |
| | | | Arsenic |
| | | | Tin |
| | | | Zinc |
| | | Soil | Cadmium |
| | | | pH |
| | | | Conductivity |
| | | | Organic Carbon |
| | | | Organic Matter |
| | Metals in TCLP Extract | Available Nitrogen | |
| | | Available Phosphorous | |
| | | Available Potassium | |
| | | pH | |
| | | Arsenic | |
| | | Chromium | |
| | | Cadmium | |
| | | Lead | |
| | | Nickel | |

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BIOLOGICAL TESTING

| I. | SIMULTANEOUS SCHEME | Water Water & Wastewater | Total Coliform Bacteria Escherichia Coli Pseudomonas aeruginosa; Salmonella spp. Shigella spp Faecal Streptococci Staphylococcus aureus |
|----|---------------------|---|---|
| | | Food & Agricultural Products Milk & Dairy Products, Ready to eat/cook, Processed Food / Protein rich extruded food | Salmonella spp. Escherichia Coli |
| | | Pharmaceutical Products Non Sterile | Escherichia coli Salmonella spp. Pseudomonas aeruginosa Shingella spp. |

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