



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Organization:

Global Proficiency Testing Company

Dubai Investment Park-1, Dubai, UAE

Roshan Din Plaza, Soan Garden, Islamabad, Pakistan

*and hereby declares that the Organization is accredited in accordance with
the recognized International Standard:*

ISO/IEC 17043:2010

This accreditation demonstrates technical competence for a defined scope and the
operation of a proficiency testing provider quality management system

Proficiency Testing Provider *(As detailed in the supplement)*

Accreditation claims for such proficiency testing programs shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation Body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

January 03, 2024

Issue Date:

January 03, 2024

Expiration Date:

April 30, 2026

Accreditation No.:

124274

Certificate No.:

L24-8

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

*The validity of this certificate is maintained through ongoing assessments based
on a continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjilabs.com*



Certificate of Accreditation: Supplement

Global Proficiency Testing Company

DIP-1, Dubai UAE & Soan Garden, Islamabad, Pakistan
 Contact Name: Mr. Zahid Mahmood Phone: +971 50-437-2037

Accreditation is granted to the Organization for proficiency testing provider as follows:

FLEX CODE	PT SCHEME/PROGRAM NAME	PT ITEM TYPE	MEASURAND(S) OR CHARACTERISTIC(S) OR WHERE APPROPRIATE THE TYPE OF MEASURAND(S) OR CHARACTERISTIC(S) THAT ARE TO BE IDENTIFIED, MEASURED OR TESTED	
F1, F2, F3	Construction Material Testing (Consensus Value Schemes)	Soil	Determination of Dry Density/Moisture Content Relationship	
F1, F2, F3			Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate	
F1, F2, F3			Determination of liquid limit, Plastic Limit and Plasticity Index	
F1, F2, F3			Determination of Particle Size Distribution	
F1, F2, F3			Particle Size Distribution by hydrometer method	
F1, F2, F3			Determination of California Bearing Ratio (CBR)	
F1, F2, F3			Plate load Test	
F1, F2, F3			Point Load Test	
F1, F2, F3			In-Situ density Test	
F1, F2, F3			Water (Moisture) Content of Soil and Rock by Mass	
F1, F2, F3			Soil Resistivity Using the Wenner Four-Electrode Method	
F1, F2, F3			Thermal Resistivity Measurements	
F1, F2, F3			In-Situ California Bearing Ratio (CBR)	
F1, F2, F3			Unconfined compressive strength /Rock	
F1, F2, F3			Sulphate Content, Chloride Content, and pH Value of Soil (water & acid soluble)	
F1, F2, F3			Carbonate Content of Soil	
F1, F2, F3			Heavy metals in Soil	
F1, F2, F3			Organic Matter content of soil	
F1, F2, F3			Aggregate	Relative Density (Specific Gravity) and Absorption of Coarse and fine Aggregate
F1, F2, F3				Material finer than 75 um sieves.
F1, F2, F3				Soundness of Aggregates
F1, F2, F3		Los Angeles Abrasion Test		
F1, F2, F3		Flakiness and Elongation Index of Aggregates.		
F1, F2, F3		Ten Percent fine value of Aggregates (Dry & Soaked)		
F1, F2, F3		Aggregate Impact Value		
F1, F2, F3		Aggregate Crushing Value		
F1, F2, F3		Clay Lumps and Friable Particles		
F1, F2, F3		Shell content-Percentage of shells in coarse aggregates		
F1, F2, F3		Clay Lumps and Friable Particle		
F1, F2, F3		Particle Size distribution (Wet & Dry Sieving)		
F1, F2, F3		Water absorption of aggregate		
F1, F2, F3		Heavy metals in aggregate		
F1, F2, F3		Sulphate & Chloride content of Aggregates (Acid Extract)		



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F1, F2, F3	Construction Material Testing (Consensus Value Schemes)	Concrete	Density & Compressive Strength of Concrete Cubes	
F1, F2, F3			Compressive Strength of Cylinder/Core Concrete	
F1, F2, F3			Water Absorption on hardened concrete	
F1, F2, F3			Initial surface absorption of concrete	
F1, F2, F3			Rapid chloride penetration (RCP) Test of Concrete	
F1, F2, F3			Depth of penetration of water under pressure/ Determination of Water Permeability	
F1, F2, F3			Dimension & Comp. strength of Paving blocks	
F1, F2, F3			Dimension & Comp. strength of Masonry blocks	
F1, F2, F3			Sulphate & Chloride content of Concrete	
F1, F2, F3			Pull out Testing;	
F1, F2, F3			Ground water	Chloride, Sulphate, pH and conductivity Water
F1, F2, F3		Construction Material Testing (Consensus Value Schemes)	Asphalt	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
F1, F2, F3	Bulk Specific Gravity and Density of Compacted Bituminous Mixtures			
F1, F2, F3	Asphalt Mixture Specimens Using Marshall Apparatus; Marshall Stability and Flow of Asphalt Mixtures			
F1, F2, F3	Ductility of Bituminous & asphalt Materials.			
F1, F2, F3	Softening Point of Bitumen.			
F1, F2, F3	Bitumen / Binder content in asphalt mix.			
F1, F2, F3	Flash Point and Fire point Test			
F1, F2, F3	Determination of Rate of Spray Prime Coat / Tack Coat.			
F1, F2, F3	Cement			Consistency and Setting time of Cement
F1, F2, F3				Flexural & Compressive Strength of Cement (3, 7 & 28 days)
F1, F2, F3			Soundness (a) Le-Chatlier Expansion; (b) Autoclave Expansion	
F1, F2, F3			Setting Time (Initial & Final),	
F1, F2, F3			Fineness (Blain apparatus);	
F1, F2, F3			Chemical Analysis of cement type & cement content	
F1, F2, F3			Chemical Analysis of Total Silica	
F1, F2, F3			Steel/Metallurgy	Mechanical Properties of steel rebar. Mass per meter length (kg/m), Deviation from nominal mass per meter (%), Yield Strength (Re), Tensile Strength (Rm), Total Elongation at Max Force (Agt)
F1, F2, F3				Chemical Composition & CEV of Steel using OES Method Carbon, Manganese, Chromium, Molybdenum Vanadium Nickel Copper Sulphur Phosphorus Nitrogen, Carbon Equivalent Value
F1, F2, F3				Vickers Hardness Test



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F1, F2, F3	Construction Material Testing (Consensus Value Schemes)	Steel /Metallurgy	Rockwell Hardness Test (HRC & HRB)
F1, F2, F3			Brinell hardness test
F1, F2, F3			Standard Test Methods for Notched Bar Impact Testing of Metallic Materials
F1, F2, F3			Bend Test and Re-bend test of steel rebars
F1, F2, F3			Load Test on Gully tops and manhole cover test
F1, F2, F3		Tiles Adhesives & grouts	Open Time; Tensile Adhesion Strength;
F1, F2, F3		Ceramic Tiles	Modulus of Rupture, Water Absorption, Dimensions, Rectangularity and Surface flatness, Thickness
F1, F2, F3		Water- Proofing Membranes	Puncture Strength & Mass per Unit Area; Tensile, Elongation & Thickness Water Impermeability test. Crack Bridging ability
F1, F2, F3		Paints	VOC content of paints and related materials, Determination of Formaldehyde content Pull off Testing; Heavy metal analysis
F1, F2, F3		Rubber	Durometer Hardness of Rubber – Shore A & Shore D hardness test
F1, F2, F3			Tensile and Elongation of Rubber / Plastic
F1, F2, F3		Geotextile and Fabrics	Tensile Tear Strength, Index Puncture; Tensile & Elongation of Geotextile; Grab Strength and Elongation, Unit Mass and Thickness under 2 kPa of Geotextile, CBR Puncture Strength
F1, F2, F3		Non-Destructive testing	Rebound Hammer test, Ultrasonic pulse velocity, Cover meter for concrete; Half-cell Potential test, Magnetic Particle Testing (MPI), Radiographic Testing (RT); Eddy current Testing (ET); Ultrasonic Thickness; Pile integrity; Cross-Hole Sonic Logging Test.
F1, F2, F3		Precious Metals & Stones	Gold; Diamond and others- Chemical & Physical Properties; Qualitative & Quantitative
F1, F2, F3		wood	Chemical & Physical Properties, Qualitative & Quantitative
F1, F2, F3		Textile & Fiber	Chemical & Physical Properties, Qualitative & Quantitative
F1, F2, F3		Glass Testing	U Value, Solar Reflective Index, Solar Heat Gain, Light Reflectance, transmittance and other tests
F1, F2, F3	Construction Materials Resistance to Fire Testing	Building partitions, Doors, Windows, Shutters and elements of building hardware	Integrity, Insulation and Radiation



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F1, F2, F3	Reaction to Fire Testing	Building Products and General materials	Ignitability of products subjected to direct impingement of flame, Single-flame source test, burning behavior using a radiant heat source, Gross heat of combustion (calorific value), Ignition Temperatures of Plastics, Non-combustibility test, building products excluding floorings exposed to the thermal attack by a single burning item
F1, F2, F3	Microbiological Testing (Use of certified reference value)	Environmental (Air)	Qualitative and Quantitative: - E coli; T. Coliform; Staphylococcus aureus; Fecal Streptococci; Legionella spp; Vibrio. Parahaemolyticus; TBC; Total aerobic Mesophile count; Yeast & Mould; TVC-Total Viable Count; Air Borne Contamination
F1, F2, F3		Water	Qualitative and Quantitative: - Legionella Spp, TBC, Total Coliform, Fecal Coliforms, E. Coli, Fecal Streptococci, Clostridium Perfringens, Pseudomonas Aeruginosa; Salmonella Spp; Nematode((Helminth); Campylobacter; Listeria Monocytogene; Sulphate Reducing bacteria; Yeast & Moulds; staphylococcus aureus; Enterococci
F1, F2, F3		Food & Feed	Qualitative and Quantitative: - Listeria Monocytogenes; Listeria Spp; Polymerase Chain Reaction (PCR)milk; TBC; E. coli; Ecoli0157-H7; Staphylococcus aureus; Enterobacteriaceae; Fecal Streptococci; Fecal Coliform; Total. Coliform; Bacillus cereus; Salmonella Spp; Clostridium Perfringens; Pseudomonas. Aeruginosa; Yeast & Mould; Lactic acid Bacteria; Vibrio parahaemolyticus; Vibrio Cholerae; Shigella Spp; Campylobacter Spp; Mesophilic spore count (30 Deg); Candida count; Clostridium botulinum; Crono bacteria Spp (milk); Sulfite Reducing bacterial count; Thermophilic Acidophilic bacteria; GMO
F1, F2, F3		Swab	Qualitative and Quantitative: - Clostridium Perfringens; Staphylococcus.aureus; Salmonella spp; Bacillus Cereus; E-coli; E coli 0157; TBC; Enterobacteriaceae; Fecal. Streptococcus; Pseudomonas spp; Yeast & Moulds; Vibrio Parahaemolyticus; Listeria Spp; Listeria Monocytogenus; Pseudomonas aeruginosa; TBC; Total coliform; Mesophilic organism; Cronobacter spp
F1, F2, F3		Cosmetics	Qualitative and Quantitative: - TBC; Yeast & Moulds; Pseudomonas. Aeruginosa; Staphylococcus.aureus; Enterobacteriaceae; E-coli; Aerobic Mesophilic bacteria; Lard & Lard derivatives; Antimicrobial Susceptibility Testing; Candida albicans
F1, F2, F3		Soil	Qualitative and Quantitative: - TBC; Total Coliform; E-coli; Fecal Coliform; Yeast & Mould; Actinomycetes; Pseudomonas aeruginosa



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F1, F2, F3	Environmental Testing	Waste Water, Drinking Water, ground water, marine water, soil, sludge and Sediments	Metals: - Arsenic (As); Barium (Ba); Beryllium (Be); Boron (B); Cadmium (Cd); Chromium (Cr); Cobalt (CO); copper (Cu); Iron (Fe); Lead (Pb); Magnesium (Mg); Mercury (Hg); Molybdenum (Mo); Nickel (Ni); Selenium (Se); Silver (Ag); Sodium (Na); Zinc (Zn); Chloride (Cl); Sulphate as So ₄ ; Aluminum (Al); potassium
F1, F2, F3			Physio-Chemical Testing Alkalinity as CaCO ₃ ; Chloride; Conductivity; Fluoride; Potassium; Sodium; Total Dissolved Solids; Total Solids; Total Suspended solid; Suspended solid (SS); Nitrate; Nitrite; Calcium; Calcium Hardness; Turbidity; BOD; COD; CBOD, TOC; chlorine-Residual; Cyanides (CN); Detergents; ammonia; Nitrogen ammonia; Bromine; Nitrogen organic (Kjeldahl); Nitrogen total; Oil & Grease (Emulsified); Oil & Grease (Free Oil); PH value of water@25 deg; Pesticides non-Chlorinated; Phenols; Phosphorus(P); Sulphate Total; Sulfides (S); Surfactants; carbonate; Bicarbonate (HCO ₃); Bicarbonate Alkalinity; carbonate alkalinity; carbonate Hardness; Chlorine free, chlorine total; Cyanide free, Cyanide total; Dissolved Orthophosphate; Dissolved Ortho Phosphorous; Hydroxide Alkalinity; Iron – Suspended; Iron – Total; Iron- Dissolved; Magnesium Hardness; Nitrate – Nitrogen; Silica, Bromide, Bromate; Phosphate; Fluoride; TIN(Sn)
F1, F2, F3		Swimming Pool water	Free Chlorine; Bromine; PH; Total alkalinity; Calcium Hardness; Saturation Index, Cyanuric Acid
F1, F2, F3		Food	Heavy Metals
F1, F2, F3		Cosmetics	Heavy Metals
F1, F2, F3		Ambient air, Indoor air and Air Pollutants.	Air quality, Chemical and physical Properties, Qualitative and Quantitative
F1, F2, F3		Soil and organic debris/ash - for all types (for residential, agricultural, industrial use and others)	Chemical and physical Properties, Qualitative and Quantitative, forensic studies for explosives, hydrocarbons or ignitable liquid residues (ILRs), pesticides Analysis, TOC/TN, PAHs Analysis, Inorganic content Determination
F1, F2, F3		Stack Emissions	Chemical and physical Properties, Qualitative and Quantitative
F1, F2, F3		Metrological Measurements of indoor and ambient air	Lux Monitoring, Noise, vibration Measurements



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F1, F2, F3	Food & Feed	Edible oil & fats, Cereal, milk, dairy products, feed, fruit, spices, meat, nuts, oil, beverage, jams, honey, canned goods, herbs, vegetables, infant food, Alcohol and non-alcohol drink and others	Chemical and physical Properties, Qualitative and Quantitative, including halal compliance and pesticides Analysis, Mycotoxins Analysis.
F1, F2, F3	Chemical	Diesel Fuel Jet Fuel Lubricating Oil	Cetane Index, Ash Content, Viscosity @40° C, Color, Density @ 15°C, Distillation, Flash Point, Pour Point Sulfur Content, Kinematic Viscosity
F1, F2, F3	Inspections	Elevator, Escalator, cranes, Fork lifter, Lifting Accessories, Pressure Vessels, Tanks.	Image Analyses, Results Interpretations, Qualitative and Quantitative Interpretation, Product Evaluation, Risk Evaluation, Type of Defects, Comparative inspection analysis.
F1, F2, F3	Calibration (Reference value)	Conventional Mass	Weights
F1, F2, F3		Mass	Electrical Balances/ Weighing Scales
F1, F2, F3		Force	Torque wrench, Torque transducers; load cells, force machine, proving rings
F1, F2, F3		Linear Measurement & Displacement	Digital calipers, Digital micrometers (inside & outside), gauge blocks, height gauges, Dial Gauge; Feeler Gauge; Steel Ruler, Measuring Tape; Profile projectors,
F1, F2, F3		Temperature °C & Humidity %	Liquid in glass thermometers, Thermocouples, Resistance Thermometer, digital & infrared thermometer, Dew Point, Digital Hygrometer, Drying Oven, Chiller, Refrigerator, Freezer; water Bath
F1, F2, F3		Speed	Tachometer
F1, F2, F3		Electricity and Magnetism,	AC/DC voltage, current, resistance, inductance, capacitance, power & frequency Measurement instruments, multi-meters, power supplies, temperature simulation, clamp meters, Insulation Tester.
F1, F2, F3		Pressure	Hydraulic/Pneumatic Pressure Gauges; Positive, negative and differential pressure Measurement; liquids and gases-pressure gauges, dead weight testers, vacuum pressure gauge
F1, F2, F3		Thickness Measurement	Coating thickness Gauges
F1, F2, F3		pH & Conductivity Value	pH/Conductivity Meter
F1, F2, F3		Time & Frequency	Chronometers, stop watch, timers, oscilloscope, counters
F1, F2, F3		Volume	Digital Micro pipette; laboratory glassware, flasks, graduated cylinder, pipette, burette.
F1, F2, F3		Sound	Sound Level Meters
F1, F2, F3		Viscosity	Dynamic and kinematic viscometers, capillary viscometers
F1, F2, F3	Flow	Mass flow meters, volume flow meters, gas flow meters, water meters, liquid meters, anemometry	
F1, F2, F3	Density Measurements	Density meter, hydrometer	



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Accreditation is granted to the Organization for proficiency testing provider as follows:

1. The above scope of accreditation was created based on a former ILAC MRA Signatory's certificate policy. Based on the intent of the ILAC MRA, PJLA recognizes other scopes issued by other ILAC signatories. This scope will be modified based on PJLA's Policy following the next on-site assessment.
2. Flex Codes:
F1-Introduction of a new compound/component/analyte for an accredited scheme
F2- Introduction of a new product of similar composition of an artifact used for an accredited scheme
F3- Introduction of a new range for an accredited scheme

