GLOBAL LABORATORY COMPETENCE | TESTING • CALIBRATION • SAMPLING

NABL ISO/IEC 17025:2017
SOP MASTER LIST

Chemical • Pharmaceutical • Microbiology • Water • Food • Environmental • Mechanical • Electrical • NDT • On-Site • Metrology & Calibration Laboratories

A detailed proposed SOP library covering laboratory management systems, technical competence and specialized testing and calibration procedures.

PROPOSED TITLES	FUNCTIONAL GROUPS	EDITION	ISSUED
1,351	44	REV 00	05 NOV 2026

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IMPORTANT: The entries below are PROPOSED SOP and method/work-instruction TITLES, not approved or implemented laboratory procedures. ISO/IEC 17025 requires effective documented controls but does not mandate one unique SOP for each title. Select, combine or justify non-applicability based on actual accredited scope.

01 PURPOSE, APPLICABILITY & IMPORTANT SCOPE LIMITS

This master list applies to testing laboratories, calibration laboratories and laboratories performing associated sampling within an ISO/IEC 17025:2017 management system. It includes common governance requirements and discipline-conditional technical methods. The standard addresses competence, impartiality and consistent operations; it is not itself a product manufacturing licence.

Accreditation must be sought and claimed only for the approved premises, disciplines, parameters, methods, matrices and measurement ranges stated in the NABL scope. A laboratory performing both accredited and non-accredited work must make that distinction clear in communications and reports.

EXCLUSIONS: Clinical diagnostic medical laboratories generally follow ISO 15189. Providers of proficiency testing schemes follow ISO/IEC 17043 and reference material producers follow ISO 17034. These are separate accreditation schemes; their special activities are not automatically covered by this ISO/IEC 17025 master index.

P1 = foundational planning priority if activity exists. P2 = specialized discipline-, method- or regulatory-conditional procedure. Neither P1 nor P2 means every title is a compulsory standalone document. Site quality management must approve applicability, consolidate overlapping documents and authorize final issue.

Document ID: ISHA/NABL/SOP-MASTER/001 | Revision: 00 | Status: Proposed master index, for site adaptation.

02 ISO/IEC 17025 AND NABL REGULATORY CROSSWALK

FRAMEWORK	CLAUSE / POLICY	APPLICATION TO MASTER INDEX
ISO/IEC 17025:2017	Clauses 4.1-4.2	Impartiality; confidentiality
ISO/IEC 17025:2017	Clause 5	Structural and management responsibilities
ISO/IEC 17025:2017	Clauses 6.2-6.6	Personnel, environment, equipment, metrological traceability, providers
ISO/IEC 17025:2017	Clauses 7.1-7.11	Contract review; methods; sampling; technical records; uncertainty; QC; reports
ISO/IEC 17025:2017	Clauses 8.1-8.9	Management system, documentation, risk, audit and management review
NABL 100A / 100B	Current policies	General information; accreditation process

FRAMEWORK	CLAUSE / POLICY	APPLICATION TO MASTER INDEX
NABL 120 / 130	Scope and on-site	Product groups; site testing and calibration
NABL 129 / 126 / 138	Calibration disciplines	Specific criteria for eligible calibration disciplines
NABL 131 / 133	General conditions	Terms of accreditation; symbol and accreditation claims
NABL 141 / 142 / 143	Measurement science	Uncertainty; traceability; CMC in calibration
NABL 160 / 160A / 161	Management system	Management-system documentation; audit and management review
NABL 163 / 164	Result validity	PT participation and ILC where PT not available
NABL 151 / 152 / 219	Accreditation evidence	Testing/calibration application forms; assessment checklists
ILAC G8 / G17	Technical guidance	Decision rules and measurement uncertainty in testing

Official source catalog: https://nabl-india.org/nabl-documents/ | ISO: https://www.iso.org/standard/66912.html | ILAC: https://ilac.org/publications-and-resources/ilac-guidance-series/

03 IMPLEMENTATION RULES / DOCUMENT HIERARCHY

01 Confirm legal entity, laboratory premises, testing/calibration discipline, analytes or measurands, methods, products/matrices, capability ranges and customer commitments.

02 Map proposed scope against NABL 120 and relevant specific criteria, ISO/IEC 17025 clauses and applicable sector regulator obligations.

03 Use the Excel Register to select Applicable, Not applicable, Conditional or Merge with existing. Avoid duplicate SOPs when a single controlled process can cover multiple titles.

04 For methods, clearly distinguish managerial SOPs from individual test/calibration procedures, operating work instructions, forms and raw-data worksheets.

05 Write approved procedures containing objective, scope, responsibilities, prerequisites, safety, method parameters, acceptance criteria, deviations, calculations, records and references.

06 Prepare documented competence evidence, method verification/validation, uncertainty budgets, traceability records, QC trend data and PT/ILC evidence where applicable.

07 Conduct internal audits and management review, resolve nonconformities and verify actual implementation before applying for accreditation.

08 After accreditation, claim NABL status only within the current approved scope and maintain continual surveillance and amendment tracking.

04 DEPARTMENT-WISE SOP MASTER INDEX — SUMMARY

CODE	FUNCTION / TECHNICAL DISCIPLINE	TITLES
ORG	Organization & Laboratory Governance	**25**
IMP	Impartiality, Ethics & Confidentiality	**20**
QMS	Quality Manual & Management System	**20**
DOC	Document & Record Control	**25**
HR	Personnel Competence, Training & Authorization	**35**
FAC	Facilities, Environmental Conditions & Housekeeping	**26**
EQP	Equipment Lifecycle & Instrument Controls	**34**
MET	Metrological Traceability & Calibration Governance	**30**
SUP	External Providers, Procurement & Subcontracting	**24**
CON	Customer Enquiry, Contract Review & Service	**24**
SMP	Sampling Plan, Field Sampling & Chain of Custody	**35**
ITEM	Receipt, Handling, Retention & Disposal of Test Items	**29**
METH	Method Selection, Standardization & Technical Control	**24**
VAL	Method Verification, Validation & Transfer	**34**
UNC	Measurement Uncertainty, Decision Rules & Statistics	**29**
QCV	Assurance of Valid Results, IQC, PT & ILC	**34**
REP	Reporting, Authorized Signatories & Accreditation Claims	**30**
CMP	Complaints, Nonconforming Work & Corrective Action	**28**
RISK	Risk, Opportunities, Change Control & Improvement	**21**
AUD	Internal Audit, Management Review & Oversight	**26**
IT	Laboratory Information Systems & Data Integrity	**34**
NAB	NABL Application, Assessment & Accreditation Lifecycle	**28**
EHS	Laboratory Safety, Waste & Emergency Management	**30**
CHM	Chemical Laboratory General Operations	**37**
INS	Chemical Analytical Instruments & System Suitability	**63**
PHR	Pharmaceutical Testing Laboratory Methods	**41**
MIC	Biological & Microbiology Laboratory Methods	**60**
FWD	Food, Drinking Water & Environmental Chemistry Testing	**35**
ENV	Air, Environmental Monitoring & Field Testing	**30**
MAT	Mechanical & Material Testing	**51**
ELT	Electrical, Electronics & Software Testing	**34**
NDT	Non-Destructive Testing & Inspection Methods	**24**
OPT	Optical, Photometric & Radiological Testing	**23**

CODE	FUNCTION / TECHNICAL DISCIPLINE	TITLES
MASS	Mass, Balance, Force & Torque Calibration	26
DIM	Dimensional & Geometrical Calibration	38
TMP	Thermal, Temperature & Relative Humidity Calibration	40
PRS	Pressure, Vacuum, Flow & Volume Calibration	38
ELE	Electrical & Time-Frequency Calibration	45
MED	Medical Device Calibration & Specialist Metrology	19
SITE	On-Site, Mobile & Temporary Laboratory Activities	23
REF	Reference Materials, Standards & Reagent Traceability	22
ADM	Purchase, Stores, HR, Administration & Security	22
ASB	Advanced Bioanalytical, Cell & Molecular Testing	20
DPT	Drug Testing Laboratory - Additional Controls	15

TOTAL 1,351 proposed numbered titles across 44 workstreams. P1: 817 | P2: 534.

05 COMPREHENSIVE PROPOSED SOP & METHOD TITLE REGISTER

01 ORGANIZATION & LABORATORY GOVERNANCE | ORG

ISO/IEC 17025 reference: 4.1; 5 | Applies to: All ISO 17025 laboratories | Proposed owner: Laboratory Director / Quality Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/ORG/001	Establishing legal identity and authorized laboratory activities	P1
ISHA/NABL/ORG/002	Defined laboratory organizational structure and reporting lines	P1
ISHA/NABL/ORG/003	Approval of laboratory quality policy and technical objectives	P1
ISHA/NABL/ORG/004	Establishment of laboratory governance committee and meeting agenda	P1
ISHA/NABL/ORG/005	Assignment of laboratory director, quality manager and technical manager	P1
ISHA/NABL/ORG/006	Definition of responsibilities, authorities and accountability	P1
ISHA/NABL/ORG/007	Authorized signatory nomination and approval control	P1
ISHA/NABL/ORG/008	Technical decision-making and delegation of authority	P1
ISHA/NABL/ORG/009	Management of independence from parent organization influences	P1
ISHA/NABL/ORG/010	Organizational change notification and authority matrix revision	P1
ISHA/NABL/ORG/011	Definition of laboratory accredited and non-accredited activities	P1
ISHA/NABL/ORG/012	Preparation and review of organization chart	P1
ISHA/NABL/ORG/013	Resources and budget planning for laboratory competence	P1
ISHA/NABL/ORG/014	Technical supervision and work allocation	P1
ISHA/NABL/ORG/015	Governance of satellite, branch and mobile testing units	P1
ISHA/NABL/ORG/016	Approval of additional premises and temporary field operations	P1
ISHA/NABL/ORG/017	Policy for maintaining laboratory competence and integrity	P1
ISHA/NABL/ORG/018	Escalation of technical and quality decisions to top management	P1
ISHA/NABL/ORG/019	Establishing and maintaining the laboratory management system	P1
ISHA/NABL/ORG/020	Approval of annual laboratory management system plan	P1
ISHA/NABL/ORG/021	Laboratory policy communication to employees and contractors	P1
ISHA/NABL/ORG/022	Maintaining the list of sites and activities under the management system	P1
ISHA/NABL/ORG/023	Review of laboratory capability versus accepted scope of work	P1
ISHA/NABL/ORG/024	Governance of externally provided laboratory activities	P1
ISHA/NABL/ORG/025	Managing outsourced laboratory functions and accountability	P1

Applicable standard clauses: 4.1; 5 • Additional NABL references: See policy crosswalk where applicable

02 IMPARTIALITY, ETHICS & CONFIDENTIALITY | IMP

ISO/IEC 17025 reference: 4.1; 4.2 | Applies to: All ISO 17025 laboratories | Proposed owner: Quality Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/IMP/001	Identification and assessment of impartiality risks	P1
ISHA/NABL/IMP/002	Management review of impartiality risks and mitigations	P1
ISHA/NABL/IMP/003	Conflict-of-interest declaration by laboratory personnel	P1
ISHA/NABL/IMP/004	Prohibition of commercial pressure on results	P1
ISHA/NABL/IMP/005	Separation of sales and technical approval responsibilities	P1
ISHA/NABL/IMP/006	Ethical conduct and anti-bribery controls	P1
ISHA/NABL/IMP/007	Independent review of results with business conflicts	P1
ISHA/NABL/IMP/008	Management of staff gifts, inducements and outside interests	P1
ISHA/NABL/IMP/009	Reporting and investigation of integrity concerns	P1
ISHA/NABL/IMP/010	Confidentiality agreements for employees and contractors	P1
ISHA/NABL/IMP/011	Client information access and authorization matrix	P1
ISHA/NABL/IMP/012	Protection of legally protected and third-party confidential information	P1
ISHA/NABL/IMP/013	Disclosure of confidential information under legal obligation	P1
ISHA/NABL/IMP/014	Notification to client of compelled information disclosure	P1
ISHA/NABL/IMP/015	Handling confidentiality for externally sourced customer data	P1
ISHA/NABL/IMP/016	Controls on release of laboratory results to unauthorized parties	P1
ISHA/NABL/IMP/017	Use of customer samples for training, validation or research	P1
ISHA/NABL/IMP/018	Management of witness and regulator access to confidential areas	P1
ISHA/NABL/IMP/019	Confidentiality provisions in supplier and subcontractor agreements	P1
ISHA/NABL/IMP/020	Secure disposal of confidential laboratory data	P1

Applicable standard clauses: 4.1; 4.2 • Additional NABL references: See policy crosswalk where applicable

03 QUALITY MANUAL & MANAGEMENT SYSTEM | QMS

ISO/IEC 17025 reference: 8.1; 8.2 | Applies to: All ISO 17025 laboratories | Proposed owner: Quality Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/QMS/001	Preparation and maintenance of laboratory quality manual or equivalent system documentation	P1
ISHA/NABL/QMS/002	Selection and justification of management system Option A or Option B	P1
ISHA/NABL/QMS/003	Mapping ISO IEC 17025 clauses to laboratory documented arrangements	P1
ISHA/NABL/QMS/004	Definition of scope and boundaries of the laboratory management system	P1
ISHA/NABL/QMS/005	Establishing process-interaction map and interfaces	P1
ISHA/NABL/QMS/006	Establishment of quality objectives and monitoring indicators	P1
ISHA/NABL/QMS/007	Quality objective review and improvement actions	P1
ISHA/NABL/QMS/008	Controlled maintenance of laboratory policy statements	P1
ISHA/NABL/QMS/009	Documented compliance matrix for ISO IEC 17025	P1
ISHA/NABL/QMS/010	Maintenance of laboratory regulatory obligations register	P1
ISHA/NABL/QMS/011	Integration of technical and management controls within laboratory operations	P1
ISHA/NABL/QMS/012	Integration of customer and regulator requirements into the management system	P1
ISHA/NABL/QMS/013	Management of externally imposed laboratory standards	P1
ISHA/NABL/QMS/014	Maintaining laboratory organization and responsibility descriptions	P1
ISHA/NABL/QMS/015	Periodic review of management system document adequacy	P1
ISHA/NABL/QMS/016	Management of discrepancies between quality manual and operational SOPs	P1
ISHA/NABL/QMS/017	Approval of changes to process maps and management-system interfaces	P1
ISHA/NABL/QMS/018	Quality system communication and controlled access	P1
ISHA/NABL/QMS/019	Procedure for management-system documentation exceptions	P1
ISHA/NABL/QMS/020	Planned review of management-system effectiveness	P1

Applicable standard clauses: 8.1; 8.2 • Additional NABL references: See policy crosswalk where applicable

04 DOCUMENT & RECORD CONTROL | DOC

ISO/IEC 17025 reference: 7.5; 8.3; 8.4 | Applies to: All ISO 17025 laboratories | Proposed owner: Quality Manager / Document Control

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/DOC/001	Creation, review, authorization and issue of controlled SOPs	P1
ISHA/NABL/DOC/002	Document numbering and unique identification convention	P1
ISHA/NABL/DOC/003	Document master list control and reconciliation	P1
ISHA/NABL/DOC/004	Format and content requirements for laboratory technical procedures	P1
ISHA/NABL/DOC/005	Controlled laboratory method instructions and worksheets	P1
ISHA/NABL/DOC/006	Review and approval of revised controlled documents	P1
ISHA/NABL/DOC/007	Change history and document revision register	P1
ISHA/NABL/DOC/008	Distribution of current approved methods and work instructions	P1
ISHA/NABL/DOC/009	Withdrawal and archiving of obsolete controlled documents	P1
ISHA/NABL/DOC/010	Control of external standards and test-method versions	P1
ISHA/NABL/DOC/011	Maintaining technical records traceable to source observations	P1
ISHA/NABL/DOC/012	Correction of paper technical records without obscuring original entries	P1
ISHA/NABL/DOC/013	Rules for contemporaneous laboratory data entry	P1
ISHA/NABL/DOC/014	Record retention and retrieval schedule	P1
ISHA/NABL/DOC/015	Control of electronic laboratory records and audit trails	P1
ISHA/NABL/DOC/016	Record backup and retrieval validation	P1
ISHA/NABL/DOC/017	External document periodic review and update	P1
ISHA/NABL/DOC/018	Control of blank formats, templates and forms	P1
ISHA/NABL/DOC/019	Control of logbooks and serial numbering	P1
ISHA/NABL/DOC/020	Master format and record template issuance	P1
ISHA/NABL/DOC/021	Handling lost, missing or damaged technical records	P1
ISHA/NABL/DOC/022	Retention and disposal of contracted customer records	P1
ISHA/NABL/DOC/023	Records generated by subcontracted laboratories	P1
ISHA/NABL/DOC/024	Handling scanned copies and certified true copies	P1
ISHA/NABL/DOC/025	Control of records transferred between laboratory locations	P1

Applicable standard clauses: 7.5; 8.3; 8.4 • Additional NABL references: See policy crosswalk where applicable

05 PERSONNEL COMPETENCE, TRAINING & AUTHORIZATION | HR

ISO/IEC 17025 reference: 6.2 | Applies to: All ISO 17025 laboratories | Proposed owner: HR / Technical Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/HR/001	Personnel recruitment and qualification verification	P1
ISHA/NABL/HR/002	Job descriptions for technical and support staff	P1
ISHA/NABL/HR/003	Competence matrix for each test and calibration activity	P1
ISHA/NABL/HR/004	Defining minimum qualifications for authorized signatories	P1
ISHA/NABL/HR/005	Induction training on impartiality and confidentiality	P1
ISHA/NABL/HR/006	Induction training on laboratory safety and conduct	P1
ISHA/NABL/HR/007	Identification of training needs by technical discipline	P1
ISHA/NABL/HR/008	Annual training plan preparation and review	P1
ISHA/NABL/HR/009	Preparation of job-specific training modules	P1
ISHA/NABL/HR/010	Training on current test-method standards and amendments	P1
ISHA/NABL/HR/011	Analyst training on sample preparation and instrument use	P1
ISHA/NABL/HR/012	Training on quality-control and uncertainty evaluation	P1
ISHA/NABL/HR/013	Training on data integrity and technical-record practices	P1
ISHA/NABL/HR/014	On-the-job supervised training records	P1

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/HR/015	Direct observation and witnessing of analyst technique	P1
ISHA/NABL/HR/016	Blind sample checks for analyst competency	P1
ISHA/NABL/HR/017	Practical examination for equipment-specific authorization	P1
ISHA/NABL/HR/018	Analyst competence initial assessment	P1
ISHA/NABL/HR/019	Periodic reassessment of technical competence	P1
ISHA/NABL/HR/020	Review of competence after analytical method changes	P1
ISHA/NABL/HR/021	Requalification after absence or prolonged inactivity	P1
ISHA/NABL/HR/022	Handling failed analyst competency assessment	P1
ISHA/NABL/HR/023	Technical authorization for method selection and verification	P1
ISHA/NABL/HR/024	Authorization for review of raw data and calculations	P1
ISHA/NABL/HR/025	Authorization for release of test and calibration reports	P1
ISHA/NABL/HR/026	Authorized signatory qualification evidence	P1
ISHA/NABL/HR/027	Training and competence for sampling personnel	P1
ISHA/NABL/HR/028	Training and competence for field-testing personnel	P1
ISHA/NABL/HR/029	External contract staff training and oversight	P1
ISHA/NABL/HR/030	Technical staff substitution and backup planning	P1
ISHA/NABL/HR/031	Record of individual training and authorization history	P1
ISHA/NABL/HR/032	Withdrawal, suspension and reinstatement of technical authorization	P1
ISHA/NABL/HR/033	Professional development and continuing education tracking	P1
ISHA/NABL/HR/034	Managing competence of outsourced experts	P1
ISHA/NABL/HR/035	Competence assessment during employee role change	P1

Applicable standard clauses: 6.2 • Additional NABL references: See policy crosswalk where applicable

06 FACILITIES, ENVIRONMENTAL CONDITIONS & HOUSEKEEPING | FAC

ISO/IEC 17025 reference: 6.3 | Applies to: All ISO 17025 laboratories | Proposed owner: Facility / Technical Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/FAC/001	Laboratory area classification and work-zone zoning	P1
ISHA/NABL/FAC/002	Control of access to testing and calibration facilities	P1
ISHA/NABL/FAC/003	Separation of incompatible testing activities	P1
ISHA/NABL/FAC/004	Environmental condition monitoring plan	P1
ISHA/NABL/FAC/005	Temperature monitoring and excursion response	P1
ISHA/NABL/FAC/006	Relative humidity monitoring and excursion response	P1
ISHA/NABL/FAC/007	Vibration monitoring for sensitive balances and instruments	P1
ISHA/NABL/FAC/008	Air draft and air movement control at metrology stations	P1
ISHA/NABL/FAC/009	Dust and particulate contamination control	P1
ISHA/NABL/FAC/010	Electromagnetic interference evaluation and mitigation	P1
ISHA/NABL/FAC/011	Lighting adequacy checks at test and inspection stations	P1
ISHA/NABL/FAC/012	Noise influence evaluation for measurements	P1
ISHA/NABL/FAC/013	Ventilation and exhaust performance verification	P1
ISHA/NABL/FAC/014	Environmental monitoring equipment calibration and alarms	P1
ISHA/NABL/FAC/015	Handling environmental excursions during tests or calibrations	P1
ISHA/NABL/FAC/016	Cleaning of laboratory benches and workstations	P1
ISHA/NABL/FAC/017	Cleaning of calibration laboratories and reference-standard rooms	P1
ISHA/NABL/FAC/018	Access restrictions during controlled measurement activities	P1
ISHA/NABL/FAC/019	Housekeeping and 5S inspection of laboratories	P1
ISHA/NABL/FAC/020	Control of utilities interruption affecting technical validity	P1
ISHA/NABL/FAC/021	Water supply quality control for analytical testing	P1
ISHA/NABL/FAC/022	Air compressor and laboratory gas supply checks	P1
ISHA/NABL/FAC/023	Environmental condition mapping of controlled rooms	P1
ISHA/NABL/FAC/024	Maintenance of controlled-storage facilities	P1
ISHA/NABL/FAC/025	Storage and environmental monitoring of retained samples	P1
ISHA/NABL/FAC/026	Facility engineering modifications and impact assessment	P1

Applicable standard clauses: 6.3 • Additional NABL references: See policy crosswalk where applicable

07 EQUIPMENT LIFECYCLE & INSTRUMENT CONTROLS | EQP

ISO/IEC 17025 reference: 6.4 | Applies to: All ISO 17025 laboratories | Proposed owner: Technical Manager / Engineering

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/EQP/001	User requirement specification for test and calibration equipment	P1
ISHA/NABL/EQP/002	Technical evaluation of proposed equipment purchase	P1
ISHA/NABL/EQP/003	Receipt, identification and acceptance of laboratory equipment	P1
ISHA/NABL/EQP/004	Equipment inventory and unique identification	P1
ISHA/NABL/EQP/005	Equipment installation checks and commissioning	P1
ISHA/NABL/EQP/006	Equipment qualification requirements and risk assessment	P1
ISHA/NABL/EQP/007	Initial equipment operational verification prior to release	P1
ISHA/NABL/EQP/008	Equipment calibration status labeling and identification	P1
ISHA/NABL/EQP/009	Preventive maintenance scheduling and execution	P1
ISHA/NABL/EQP/010	Breakdown maintenance and repair documentation	P1
ISHA/NABL/EQP/011	Equipment usage logbook control	P1
ISHA/NABL/EQP/012	Equipment daily pre-use checks and suitability assessment	P1
ISHA/NABL/EQP/013	Equipment warm-up and stabilization controls	P1
ISHA/NABL/EQP/014	Equipment software configuration and access controls	P1
ISHA/NABL/EQP/015	Equipment operating range, capability and limitation identification	P1

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/EQP/016	Equipment handling and transport instructions	P1
ISHA/NABL/EQP/017	Equipment intermediate performance checks	P1
ISHA/NABL/EQP/018	Equipment function checks after movement or relocation	P1
ISHA/NABL/EQP/019	Equipment return-to-service after repair or adjustment	P1
ISHA/NABL/EQP/020	Evaluation of possible impact of defective measuring equipment	P1
ISHA/NABL/EQP/021	Quarantine and labeling of defective equipment	P1
ISHA/NABL/EQP/022	Equipment decommissioning and disposal	P1
ISHA/NABL/EQP/023	Equipment loan and shared-resource control	P1
ISHA/NABL/EQP/024	Control of equipment used outside laboratory permanent premises	P1
ISHA/NABL/EQP/025	Assessment of equipment-induced measurement bias	P1
ISHA/NABL/EQP/026	Equipment maintenance contractor competence assessment	P1
ISHA/NABL/EQP/027	Review of service engineer reports and corrective actions	P1
ISHA/NABL/EQP/028	Equipment performance trend review and escalation	P1
ISHA/NABL/EQP/029	Equipment calibration recall and overdue management	P1
ISHA/NABL/EQP/030	Maintenance of manufacturer operating manuals	P1
ISHA/NABL/EQP/031	Equipment safety interlock inspection	P1
ISHA/NABL/EQP/032	Controlled replacement of critical equipment components	P1
ISHA/NABL/EQP/033	Electronic balance and metrology station leveling checks	P1
ISHA/NABL/EQP/034	Calibration frequency determination based on risk/history	P1

Applicable standard clauses: 6.4 • Additional NABL references: See policy crosswalk where applicable

08 METROLOGICAL TRACEABILITY & CALIBRATION GOVERNANCE | MET

ISO/IEC 17025 reference: 6.4; 6.5; 7.6 | Applies to: All testing/calibration laboratories | Proposed owner: Metrology / Technical Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/MET/001	Metrological traceability policy and chain-of-calibration review	P1
ISHA/NABL/MET/002	Selection of traceable reference standards and calibrators	P1
ISHA/NABL/MET/003	Evaluation of calibration certificate authenticity and suitability	P1
ISHA/NABL/MET/004	Acceptance of ISO IEC 17025 accredited calibration certificates	P1
ISHA/NABL/MET/005	Verification of calibration scope and accredited ranges	P1
ISHA/NABL/MET/006	Verification of measurement uncertainty on calibration certificates	P1
ISHA/NABL/MET/007	Handling calibration certificates without accreditation mark	P1
ISHA/NABL/MET/008	Traceability for in-house calibrated instruments	P1
ISHA/NABL/MET/009	Internal calibration authorization and method approval	P1
ISHA/NABL/MET/010	Calibration hierarchy and traceability chart preparation	P1
ISHA/NABL/MET/011	Establishing and reviewing equipment calibration intervals	P1
ISHA/NABL/MET/012	Correction factor application to subsequent measurements	P1
ISHA/NABL/MET/013	Reference standard inventory, security and maintenance	P1
ISHA/NABL/MET/014	Reference standard transport, packaging and shock protection	P1
ISHA/NABL/MET/015	Intermediate checks of reference and working standards	P1
ISHA/NABL/MET/016	Review of drift in working standards over time	P1
ISHA/NABL/MET/017	Out-of-tolerance calibration impact assessment	P1
ISHA/NABL/MET/018	Recalibration after environmental excursion or damage	P1
ISHA/NABL/MET/019	Dimensional and temperature reference-standard stabilization	P1
ISHA/NABL/MET/020	Use of certified reference materials for metrological traceability	P1
ISHA/NABL/MET/021	Traceability of reference materials to recognized providers	P1
ISHA/NABL/MET/022	Traceability limitations and technically justified alternatives	P1
ISHA/NABL/MET/023	Conversion factors, units and rounding in calibrated results	P1
ISHA/NABL/MET/024	Calibration history trend analysis for critical equipment	P1
ISHA/NABL/MET/025	Calibration method and standard alignment with CMC claims	P1
ISHA/NABL/MET/026	Management of traceability across multisite laboratory network	P1
ISHA/NABL/MET/027	Control of metrological reference databases and correction tables	P1
ISHA/NABL/MET/028	Review of uncertainty propagation through traceability chains	P1
ISHA/NABL/MET/029	Management of external calibration service schedules	P1
ISHA/NABL/MET/030	Equipment readiness verification before accredited test activities	P1

Applicable standard clauses: 6.4; 6.5; 7.6 • Additional NABL references: See policy crosswalk where applicable

09 EXTERNAL PROVIDERS, PROCUREMENT & SUBCONTRACTING | SUP

ISO/IEC 17025 reference: 6.6; 7.1 | Applies to: All ISO 17025 laboratories | Proposed owner: Purchase / Quality Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/SUP/001	Selection and approval of critical suppliers	P1
ISHA/NABL/SUP/002	Supplier evaluation criteria for reagents and consumables	P1
ISHA/NABL/SUP/003	Qualification of external calibration service providers	P1
ISHA/NABL/SUP/004	Approval of subcontracted test and calibration laboratories	P1
ISHA/NABL/SUP/005	Review of external laboratory accredited capability	P1
ISHA/NABL/SUP/006	Technical purchase specifications for reference materials	P1
ISHA/NABL/SUP/007	Approval of reagents and analytical standards vendors	P1
ISHA/NABL/SUP/008	Supplier audit plan and execution	P1
ISHA/NABL/SUP/009	Risk assessment of outsourced laboratory processes	P1
ISHA/NABL/SUP/010	Receipt and technical acceptance of purchased items	P1
ISHA/NABL/SUP/011	Review and approval of supplier certificates of analysis	P1
ISHA/NABL/SUP/012	Procurement of controlled standards and methods	P1
ISHA/NABL/SUP/013	Supplier performance trend and reevaluation	P1

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/SUP/014	Management of supplier nonconformities and deviations	P1
ISHA/NABL/SUP/015	Handling substitute reference standards and calibrants	P1
ISHA/NABL/SUP/016	Procurement of proficiency-testing schemes and ILC services	P1
ISHA/NABL/SUP/017	Control of external software and cloud service providers	P1
ISHA/NABL/SUP/018	Use of customer nominated external laboratories	P1
ISHA/NABL/SUP/019	Customer notification and approval for externally provided results	P1
ISHA/NABL/SUP/020	Quality agreement with contract testing partner	P1
ISHA/NABL/SUP/021	Maintaining approved external provider and services register	P1
ISHA/NABL/SUP/022	Verification of outsourced report receipt and authenticity	P1
ISHA/NABL/SUP/023	Review of external lab scope extensions or suspensions	P1
ISHA/NABL/SUP/024	Escalation of supplier change notifications	P1

Applicable standard clauses: 6.6; 7.1 • Additional NABL references: See policy crosswalk where applicable

10 CUSTOMER ENQUIRY, CONTRACT REVIEW & SERVICE | CON

ISO/IEC 17025 reference: 7.1; 7.8; 7.9 | Applies to: All ISO 17025 laboratories | Proposed owner: Customer Service / Technical Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/CON/001	Customer enquiry registration and response	P1
ISHA/NABL/CON/002	Quotation preparation for scope-specific testing and calibration	P1
ISHA/NABL/CON/003	Review of test requests and customer specifications	P1
ISHA/NABL/CON/004	Contract review for capability, time and resources	P1
ISHA/NABL/CON/005	Resolution of ambiguities in customer test requirements	P1
ISHA/NABL/CON/006	Customer communication of method deviations	P1
ISHA/NABL/CON/007	Customer acceptance of decision rule prior to testing	P1
ISHA/NABL/CON/008	Review of customer request for opinions and interpretations	P1
ISHA/NABL/CON/009	Managing scope changes after contract acceptance	P1
ISHA/NABL/CON/010	Customer-supplied test methods review	P1
ISHA/NABL/CON/011	Control of verbal instructions and subsequent written confirmation	P1
ISHA/NABL/CON/012	Customer notification of result delays	P1
ISHA/NABL/CON/013	Customer witness testing and laboratory visit controls	P1
ISHA/NABL/CON/014	Contract review for sampling responsibility	P1
ISHA/NABL/CON/015	Contract review for statements of conformity	P1
ISHA/NABL/CON/016	Customer instruction for receipt and preservation of samples	P1
ISHA/NABL/CON/017	Control of customer-owned reference standards and equipment	P1
ISHA/NABL/CON/018	Change notification for subcontracting arrangements	P1
ISHA/NABL/CON/019	Communication of invalid results and revised reports	P1
ISHA/NABL/CON/020	Management of customers with confidential and conflicting interests	P1
ISHA/NABL/CON/021	Review of customer feedback and satisfaction	P1
ISHA/NABL/CON/022	Customer service escalation of technical issues	P1
ISHA/NABL/CON/023	Complaints intake and acknowledgement	P1
ISHA/NABL/CON/024	Maintenance of contract review records	P1

Applicable standard clauses: 7.1; 7.8; 7.9 • Additional NABL references: See policy crosswalk where applicable

11 SAMPLING PLAN, FIELD SAMPLING & CHAIN OF CUSTODY | SMP

ISO/IEC 17025 reference: 7.3; 7.4 | Applies to: Testing and site laboratories | Proposed owner: Sampling / Field Technical Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/SMP/001	Sampling plan establishment and statistical basis	P1
ISHA/NABL/SMP/002	Selection of sampling points and sampling frequency	P1
ISHA/NABL/SMP/003	Sampling method verification and field suitability	P1
ISHA/NABL/SMP/004	Sampling staff authorization and independence	P1
ISHA/NABL/SMP/005	Field sampling equipment control and checks	P1
ISHA/NABL/SMP/006	Sample identification and durable labeling at collection	P1
ISHA/NABL/SMP/007	Field sampling record preparation and review	P1
ISHA/NABL/SMP/008	Chain-of-custody initiation and receipt signatures	P1
ISHA/NABL/SMP/009	Aseptic collection of microbiological samples	P1
ISHA/NABL/SMP/010	Chemical sample collection using compatible containers	P1
ISHA/NABL/SMP/011	Preservative selection and addition to sampling containers	P1
ISHA/NABL/SMP/012	Sample stabilization and cooling at collection site	P1
ISHA/NABL/SMP/013	Control of sampling bottles and sampling-kit cleanliness	P1
ISHA/NABL/SMP/014	Collection of composite samples and compositing records	P1
ISHA/NABL/SMP/015	Collection of grab samples and location records	P1
ISHA/NABL/SMP/016	Collection of retained and witness samples	P1
ISHA/NABL/SMP/017	Sampling when environmental or weather conditions change	P1
ISHA/NABL/SMP/018	Sampling at customer premises and conflict controls	P1
ISHA/NABL/SMP/019	Collection of drinking water samples	P1
ISHA/NABL/SMP/020	Collection of wastewater samples	P1
ISHA/NABL/SMP/021	Collection of soil and sediment samples	P1
ISHA/NABL/SMP/022	Collection of ambient air samples	P1
ISHA/NABL/SMP/023	Collection of stack emissions samples	P1
ISHA/NABL/SMP/024	Collection of food and agricultural product samples	P1
ISHA/NABL/SMP/025	Collection of pharmaceutical raw materials and finished products	P1
ISHA/NABL/SMP/026	Sampling of construction materials and aggregates	P1
ISHA/NABL/SMP/027	Sampling of metal and alloy test specimens	P1

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/SMP/028	Avoidance of cross-contamination during field sampling	P1
ISHA/NABL/SMP/029	Field blank and trip blank collection	P1
ISHA/NABL/SMP/030	Field duplicate sample collection and acceptance	P1
ISHA/NABL/SMP/031	GPS, location and sampling point traceability	P1
ISHA/NABL/SMP/032	Field equipment decontamination between samples	P1
ISHA/NABL/SMP/033	Handling departures from approved sampling plans	P1
ISHA/NABL/SMP/034	Sample custody handover to courier or laboratory	P1
ISHA/NABL/SMP/035	Management of sample transport temperatures and time limits	P1

Applicable standard clauses: 7.3; 7.4 • Additional NABL references: See policy crosswalk where applicable

12 RECEIPT, HANDLING, RETENTION & DISPOSAL OF TEST ITEMS | ITEM

ISO/IEC 17025 reference: 7.4; 7.5 | Applies to: Testing laboratories | Proposed owner: Sample Custody / Laboratory Operations

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/ITEM/001	Sample receipt and accession number allocation	P1
ISHA/NABL/ITEM/002	Inspection of samples for seal and condition	P1
ISHA/NABL/ITEM/003	Documenting sample deviations on receipt	P1
ISHA/NABL/ITEM/004	Criteria for sample acceptance and rejection	P1
ISHA/NABL/ITEM/005	Sample quarantine pending contract clarification	P1
ISHA/NABL/ITEM/006	Storage-condition assignment for received test items	P1
ISHA/NABL/ITEM/007	Sample aliquoting and secondary label generation	P1
ISHA/NABL/ITEM/008	Homogenization and subdivision of samples	P1
ISHA/NABL/ITEM/009	Sample splitting for multiple technical departments	P1
ISHA/NABL/ITEM/010	Test item identification throughout laboratory workflow	P1
ISHA/NABL/ITEM/011	Prevention of cross contamination between samples	P1
ISHA/NABL/ITEM/012	Sample handling when quantity is insufficient	P1
ISHA/NABL/ITEM/013	Handling fragile, hazardous and perishable specimens	P1
ISHA/NABL/ITEM/014	Retain-sample allocation and reconciliation	P1
ISHA/NABL/ITEM/015	Sample withdrawal and reissue from storage	P1
ISHA/NABL/ITEM/016	Sample movement register and handover controls	P1
ISHA/NABL/ITEM/017	Sample storage mapping and condition monitoring	P1
ISHA/NABL/ITEM/018	Sample shelf-life and holding-time management	P1
ISHA/NABL/ITEM/019	Tracking sample custody across shifts	P1
ISHA/NABL/ITEM/020	Customer sample return authorization and packaging	P1
ISHA/NABL/ITEM/021	Disposal of exhausted test material	P1
ISHA/NABL/ITEM/022	Preservation of material under dispute or litigation	P1
ISHA/NABL/ITEM/023	Handling unidentifiable or mismatched samples	P1
ISHA/NABL/ITEM/024	Receipt and custody of customers' calibration items	P1
ISHA/NABL/ITEM/025	Preparation of calibration items before measurement	P1
ISHA/NABL/ITEM/026	Reconciliation of sample inventory at completion	P1
ISHA/NABL/ITEM/027	Storage and tracking of microbiological reference cultures	P1
ISHA/NABL/ITEM/028	Sample documentation for external laboratory transfer	P1
ISHA/NABL/ITEM/029	Handling biological and chemical hazardous test samples	P1

Applicable standard clauses: 7.4; 7.5 • Additional NABL references: See policy crosswalk where applicable

13 METHOD SELECTION, STANDARDIZATION & TECHNICAL CONTROL | METH

ISO/IEC 17025 reference: 7.2.1 | Applies to: Testing and calibration laboratories | Proposed owner: Technical Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/METH/001	Selection of recognized standard test and calibration methods	P1
ISHA/NABL/METH/002	Review of current methods from standards bodies	P1
ISHA/NABL/METH/003	Method standard revision monitoring	P1
ISHA/NABL/METH/004	Controlled implementation of updated method versions	P1
ISHA/NABL/METH/005	Documenting method deviations requested by customers	P1
ISHA/NABL/METH/006	Evaluation of customer-provided test methods	P1
ISHA/NABL/METH/007	Technical evaluation of non-standard test methods	P1
ISHA/NABL/METH/008	Development and authorization of laboratory work instructions	P1
ISHA/NABL/METH/009	Creation of detailed test-method worksheets	P1
ISHA/NABL/METH/010	Review of method scope, analyte, matrix and measuring range	P1
ISHA/NABL/METH/011	Selection of instrumentation suitable for method requirements	P1
ISHA/NABL/METH/012	Preparation and approval of test sequences	P1
ISHA/NABL/METH/013	Control of computation algorithms associated with methods	P1
ISHA/NABL/METH/014	Selection of acceptance criteria and technical specifications	P1
ISHA/NABL/METH/015	Documenting sample preparation and extraction instructions	P1
ISHA/NABL/METH/016	Technical review of method-specific safety requirements	P1
ISHA/NABL/METH/017	Approval of method transfer between laboratory locations	P1
ISHA/NABL/METH/018	Review of measurement method environmental requirements	P1
ISHA/NABL/METH/019	Use of decision rules embedded in published standards	P1
ISHA/NABL/METH/020	Reporting of method limits and performance qualifications	P1
ISHA/NABL/METH/021	Control of withdrawn, obsolete and replaced methods	P1
ISHA/NABL/METH/022	Method annual adequacy review based on quality data	P1
ISHA/NABL/METH/023	Approval of technique-specific equipment settings	P1
ISHA/NABL/METH/024	Method competency training and technical authorization	P1

Applicable standard clauses: 7.2.1 • Additional NABL references: See policy crosswalk where applicable

14 METHOD VERIFICATION, VALIDATION & TRANSFER | VAL

ISO/IEC 17025 reference: 7.2.2; 7.6 | Applies to: Testing and calibration laboratories | Proposed owner: ADL / Technical Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/VAL/001	Method verification planning for standardized methods	P1
ISHA/NABL/VAL/002	Method validation master plan for non-standard methods	P1
ISHA/NABL/VAL/003	Method verification and validation protocol approval	P1
ISHA/NABL/VAL/004	Establishing intended purpose and method performance requirements	P1
ISHA/NABL/VAL/005	Method specificity and selectivity evaluation	P1
ISHA/NABL/VAL/006	Method accuracy and trueness assessment	P1
ISHA/NABL/VAL/007	Method precision and repeatability study	P1
ISHA/NABL/VAL/008	Method intermediate precision study	P1
ISHA/NABL/VAL/009	Method reproducibility evaluation where applicable	P1
ISHA/NABL/VAL/010	Linearity study and calibration model assessment	P1
ISHA/NABL/VAL/011	Measurement range verification and calibration curve criteria	P1
ISHA/NABL/VAL/012	Limit of detection estimation	P1
ISHA/NABL/VAL/013	Limit of quantification establishment	P1
ISHA/NABL/VAL/014	Method robustness and ruggedness studies	P1
ISHA/NABL/VAL/015	Matrix effect and interference evaluation	P1
ISHA/NABL/VAL/016	Recovery study design across working range	P1
ISHA/NABL/VAL/017	Assessment of sample solution stability	P1
ISHA/NABL/VAL/018	Assessment of extraction efficiency and reproducibility	P1
ISHA/NABL/VAL/019	Method bias evaluation using reference materials	P1
ISHA/NABL/VAL/020	Method comparison to recognized reference procedure	P1
ISHA/NABL/VAL/021	Assessment of outliers in method validation datasets	P1
ISHA/NABL/VAL/022	Method detection limit confirmation after change	P1
ISHA/NABL/VAL/023	Uncertainty estimation using validation performance data	P1
ISHA/NABL/VAL/024	Analyst equivalence evaluation during method transfer	P1
ISHA/NABL/VAL/025	Instrument equivalence and cross-platform method transfer	P1
ISHA/NABL/VAL/026	Method verification for new matrices and analyte concentrations	P1
ISHA/NABL/VAL/027	Method revalidation following major equipment change	P1
ISHA/NABL/VAL/028	Method revalidation following standard method revision	P1
ISHA/NABL/VAL/029	Method transfer between laboratory locations	P1
ISHA/NABL/VAL/030	Validation report review, conclusions and technical approval	P1
ISHA/NABL/VAL/031	Controlled use of validation data in routine laboratory QC	P1
ISHA/NABL/VAL/032	Method validation records and evidence retention	P1
ISHA/NABL/VAL/033	Suitability check before routine method launch	P1
ISHA/NABL/VAL/034	Periodic performance review and method re-verification triggers	P1

Applicable standard clauses: 7.2.2; 7.6 • Additional NABL references: See policy crosswalk where applicable

15 MEASUREMENT UNCERTAINTY, DECISION RULES & STATISTICS | UNC

ISO/IEC 17025 reference: 7.6; 7.8.6 | Applies to: Testing and calibration laboratories | Proposed owner: Technical Manager / Metrology

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/UNC/001	Establishing an uncertainty estimation policy	P1
ISHA/NABL/UNC/002	Identification of significant measurement uncertainty contributors	P1
ISHA/NABL/UNC/003	Type A uncertainty evaluation by statistical analysis	P1
ISHA/NABL/UNC/004	Type B uncertainty evaluation from certificates and specifications	P1
ISHA/NABL/UNC/005	Uncertainty budget creation and controlled revision	P1
ISHA/NABL/UNC/006	Standard uncertainty calculation and unit normalization	P1
ISHA/NABL/UNC/007	Combined standard uncertainty calculation	P1
ISHA/NABL/UNC/008	Expanded uncertainty calculation and coverage factor selection	P1
ISHA/NABL/UNC/009	Sensitivity coefficient determination	P1
ISHA/NABL/UNC/010	Correlation assessment in uncertainty budgets	P1
ISHA/NABL/UNC/011	Measurement repeatability and reproducibility contributions	P1
ISHA/NABL/UNC/012	Sampling uncertainty evaluation where applicable	P1
ISHA/NABL/UNC/013	Effect of calibration certificate uncertainty on final result	P1
ISHA/NABL/UNC/014	Uncertainty evaluation for qualitative and semi-quantitative methods	P1
ISHA/NABL/UNC/015	Review of method precision against reported uncertainty	P1
ISHA/NABL/UNC/016	Uncertainty estimation from proficiency testing or validation data	P1
ISHA/NABL/UNC/017	Uncertainty verification after instrument replacement	P1
ISHA/NABL/UNC/018	Determining uncertainty versus target measurement requirement	P1
ISHA/NABL/UNC/019	Rounding and significant digit control in results	P1
ISHA/NABL/UNC/020	Application of correction factors in reported measurements	P1
ISHA/NABL/UNC/021	Measurement uncertainty statement on calibration certificates	P1
ISHA/NABL/UNC/022	Measurement uncertainty statement on test reports as applicable	P1
ISHA/NABL/UNC/023	Establishing, documenting and communicating decision rules	P1
ISHA/NABL/UNC/024	Simple acceptance and guard-band decision-rule calculations	P1
ISHA/NABL/UNC/025	Risk of false acceptance and rejection assessment	P1
ISHA/NABL/UNC/026	Customer approval of decision rule where required	P1
ISHA/NABL/UNC/027	Statement of conformity evaluation and technical authorization	P1
ISHA/NABL/UNC/028	Uncertainty budget spreadsheet validation and change control	P1
ISHA/NABL/UNC/029	Review of calibration and measurement capability claims	P1

Applicable standard clauses: 7.6; 7.8.6 • Additional NABL references: See policy crosswalk where applicable

16 ASSURANCE OF VALID RESULTS, IQC, PT & ILC | QCV

ISO/IEC 17025 reference: 7.7 | Applies to: All ISO 17025 laboratories | Proposed owner: Quality Control / Technical Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/QCV/001	Internal quality control plan by parameter and method	P1
ISHA/NABL/QCV/002	Control sample material selection and qualification	P1
ISHA/NABL/QCV/003	Control chart preparation and maintenance	P1
ISHA/NABL/QCV/004	Control chart warning and action limit establishment	P1
ISHA/NABL/QCV/005	Trend and shift detection from control-chart data	P1
ISHA/NABL/QCV/006	Independent verification with certified reference materials	P1
ISHA/NABL/QCV/007	Use of method blanks and reagent blanks	P1
ISHA/NABL/QCV/008	Control of field blanks and transport blanks	P1
ISHA/NABL/QCV/009	Duplicate and replicate sample analysis	P1
ISHA/NABL/QCV/010	Matrix spike and spike duplicate evaluation	P1
ISHA/NABL/QCV/011	Calibration verification standards during analytical sequences	P1
ISHA/NABL/QCV/012	Analytical system suitability checks before reporting	P1
ISHA/NABL/QCV/013	Intermediate checks on reference and measuring equipment	P1
ISHA/NABL/QCV/014	Results correlation between alternative instruments	P1
ISHA/NABL/QCV/015	Review of repeat testing and recalibration outcomes	P1
ISHA/NABL/QCV/016	Review of external and internal QC results at defined intervals	P1
ISHA/NABL/QCV/017	Laboratory inter-analyst comparison studies	P1
ISHA/NABL/QCV/018	Internal interlaboratory comparison planning	P1
ISHA/NABL/QCV/019	Proficiency testing participation plan	P1
ISHA/NABL/QCV/020	Selection of suitable accredited proficiency testing providers	P1
ISHA/NABL/QCV/021	PT sample receipt and confidentiality control	P1
ISHA/NABL/QCV/022	PT testing performed under routine laboratory conditions	P1
ISHA/NABL/QCV/023	Review and approval of PT result submission	P1
ISHA/NABL/QCV/024	PT performance evaluation and interpretation	P1
ISHA/NABL/QCV/025	Investigation of unsatisfactory PT performance	P1
ISHA/NABL/QCV/026	Corrective action and PT effectiveness verification	P1
ISHA/NABL/QCV/027	PT provider change and scheme suitability reassessment	P1
ISHA/NABL/QCV/028	ILC plan where formal PT scheme is unavailable	P1
ISHA/NABL/QCV/029	ILC protocol approval and peer laboratory selection	P1
ISHA/NABL/QCV/030	ILC statistical evaluation and corrective actions	P1
ISHA/NABL/QCV/031	Alternative assurance where PT and ILC unavailable	P1
ISHA/NABL/QCV/032	Use of blind samples for analyst competence and method reliability	P1
ISHA/NABL/QCV/033	Review of ongoing validity of reported results	P1
ISHA/NABL/QCV/034	Escalation and client impact assessment of QC failures	P1

Applicable standard clauses: 7.7 • Additional NABL references: See policy crosswalk where applicable

17 REPORTING, AUTHORIZED SIGNATORIES & ACCREDITATION CLAIMS | REP

ISO/IEC 17025 reference: 7.8 | Applies to: Testing and calibration laboratories | Proposed owner: Authorized Signatory / QA

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/REP/001	Design and control of test report template	P1
ISHA/NABL/REP/002	Design and control of calibration certificate template	P1
ISHA/NABL/REP/003	Mandatory reporting-field completeness verification	P1
ISHA/NABL/REP/004	Identification of laboratory and performance site in reports	P1
ISHA/NABL/REP/005	Unique report numbering and issue-date control	P1
ISHA/NABL/REP/006	Unambiguous identification of sample or calibrated item	P1
ISHA/NABL/REP/007	Reporting methods and deviations from standard procedures	P1
ISHA/NABL/REP/008	Reporting results with correct units and significant digits	P1
ISHA/NABL/REP/009	Review of technical records before report issuance	P1
ISHA/NABL/REP/010	Independent second-person report verification where required	P1
ISHA/NABL/REP/011	Authorized signatory electronic and manual approvals	P1
ISHA/NABL/REP/012	Control of reports bearing NABL accreditation symbol	P1
ISHA/NABL/REP/013	Accredited versus non-accredited result distinction in reports	P1
ISHA/NABL/REP/014	Statement of conformity and decision rule disclosure	P1
ISHA/NABL/REP/015	Reporting measurement uncertainty where required	P1
ISHA/NABL/REP/016	Reporting of sampling method, site and conditions	P1
ISHA/NABL/REP/017	Reporting opinions and interpretations with authorization	P1
ISHA/NABL/REP/018	Clear labeling of externally provided results	P1
ISHA/NABL/REP/019	Customer requested partial or preliminary reports	P1
ISHA/NABL/REP/020	Report amendments, corrections and reissue history	P1
ISHA/NABL/REP/021	Cancellation of incorrect reports and notification of recipients	P1
ISHA/NABL/REP/022	Confidential distribution of test and calibration results	P1
ISHA/NABL/REP/023	Control of emails and electronic report downloads	P1
ISHA/NABL/REP/024	Reporting of invalid or unreliable test outcomes	P1
ISHA/NABL/REP/025	Use of digital signatures and certificate verification	P1
ISHA/NABL/REP/026	Control of report language and translations	P1
ISHA/NABL/REP/027	Reporting detection limits and results below reporting limits	P1
ISHA/NABL/REP/028	Report retention, indexing and retrieval	P1
ISHA/NABL/REP/029	Communicating reference to accredited scope without implied product approval	P1
ISHA/NABL/REP/030	Release of duplicate certificates and certified copies	P1

Applicable standard clauses: 7.8 • Additional NABL references: See policy crosswalk where applicable

18 COMPLAINTS, NONCONFORMING WORK & CORRECTIVE ACTION | CMP

ISO/IEC 17025 reference: 7.9; 7.10; 8.7 | Applies to: All ISO 17025 laboratories | Proposed owner: Quality Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/CMP/001	Complaints receipt, registration and acknowledgement	P1
ISHA/NABL/CMP/002	Impartial investigation of customer complaints	P1
ISHA/NABL/CMP/003	Complaint severity classification and escalation	P1
ISHA/NABL/CMP/004	Tracking complaint investigation and closure	P1
ISHA/NABL/CMP/005	Complaint outcome communication to customer	P1
ISHA/NABL/CMP/006	Complaint trend analysis and management reporting	P1
ISHA/NABL/CMP/007	Identification of nonconforming laboratory work	P1
ISHA/NABL/CMP/008	Immediate containment of invalid or questionable results	P1
ISHA/NABL/CMP/009	Authority to stop testing or calibration work	P1
ISHA/NABL/CMP/010	Classification of technical errors and management system nonconformities	P1
ISHA/NABL/CMP/011	Review of significance and impact of nonconforming work	P1
ISHA/NABL/CMP/012	Customer notification and recall of affected test reports	P1
ISHA/NABL/CMP/013	Disposition of affected samples and results	P1
ISHA/NABL/CMP/014	Resumption authorization after corrective measures	P1
ISHA/NABL/CMP/015	Nonconformity register maintenance	P1
ISHA/NABL/CMP/016	Root cause investigation using five whys and fishbone	P1
ISHA/NABL/CMP/017	Investigation of recurring analytical failures	P1
ISHA/NABL/CMP/018	Corrective action plan development and owner assignment	P1
ISHA/NABL/CMP/019	Risk-based prioritization of corrective actions	P1
ISHA/NABL/CMP/020	Implementation tracking of corrective actions	P1
ISHA/NABL/CMP/021	Effectiveness check following corrective actions	P1
ISHA/NABL/CMP/022	Preventing recurrence across similar tests and sites	P1
ISHA/NABL/CMP/023	Handling failed QC investigation	P1
ISHA/NABL/CMP/024	Handling omitted data or unauthorized raw-data changes	P1
ISHA/NABL/CMP/025	Investigation of errors originating from subcontracted providers	P1
ISHA/NABL/CMP/026	Cross-referencing deviations, complaints and corrective actions	P1
ISHA/NABL/CMP/027	Escalation of regulator or accreditation-body findings	P1
ISHA/NABL/CMP/028	Corrective action closure approval and archiving	P1

Applicable standard clauses: 7.9; 7.10; 8.7 • Additional NABL references: See policy crosswalk where applicable

19 RISK, OPPORTUNITIES, CHANGE CONTROL & IMPROVEMENT | RISK

ISO/IEC 17025 reference: 8.5; 8.6 | Applies to: All ISO 17025 laboratories | Proposed owner: Quality Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/RISK/001	Identification and control of laboratory risks and opportunities	P1
ISHA/NABL/RISK/002	Preparation and maintenance of laboratory risk register	P1
ISHA/NABL/RISK/003	Assessment of impartiality, competence and data-integrity risks	P1
ISHA/NABL/RISK/004	Business continuity risk assessment for key test services	P1
ISHA/NABL/RISK/005	Risk assessment for new test methods and expanded scope	P1
ISHA/NABL/RISK/006	Risk evaluation for equipment failures and overdue calibration	P1
ISHA/NABL/RISK/007	Risk assessment for subcontracted testing	P1
ISHA/NABL/RISK/008	Change control for critical technical methods	P1
ISHA/NABL/RISK/009	Change control for equipment and critical reference standards	P1
ISHA/NABL/RISK/010	Change control for laboratory rooms and utilities	P1
ISHA/NABL/RISK/011	Change control for LIMS and calculation sheets	P1
ISHA/NABL/RISK/012	Change control for personnel or authorized signatories	P1
ISHA/NABL/RISK/013	Assessment of change impacts on accredited scope	P1
ISHA/NABL/RISK/014	Verification of effectiveness after controlled change	P1
ISHA/NABL/RISK/015	Laboratory service performance and improvement metrics	P1
ISHA/NABL/RISK/016	Customer feedback evaluation for improvement opportunities	P1
ISHA/NABL/RISK/017	Improvement suggestion and selection process	P1
ISHA/NABL/RISK/018	Risk-based contingency planning for sample backlog	P1
ISHA/NABL/RISK/019	Planning preventive actions based on trend signals	P1
ISHA/NABL/RISK/020	Continuous improvement project documentation	P1
ISHA/NABL/RISK/021	Review of changes to national and accreditation requirements	P1

Applicable standard clauses: 8.5; 8.6 • Additional NABL references: See policy crosswalk where applicable

20 INTERNAL AUDIT, MANAGEMENT REVIEW & OVERSIGHT | AUD

ISO/IEC 17025 reference: 8.8; 8.9 | Applies to: All ISO 17025 laboratories | Proposed owner: Quality Manager / Laboratory Director

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/AUD/001	Risk-based internal audit program development	P1
ISHA/NABL/AUD/002	Audit schedule across ISO IEC 17025 clauses and disciplines	P1
ISHA/NABL/AUD/003	Internal auditor selection and competence verification	P1
ISHA/NABL/AUD/004	Internal auditor independence from audited work	P1
ISHA/NABL/AUD/005	Internal audit checklist preparation	P1
ISHA/NABL/AUD/006	Witness audit of chemical analytical methods	P1
ISHA/NABL/AUD/007	Witness audit of microbiological testing methods	P1
ISHA/NABL/AUD/008	Witness audit of calibration measurement procedures	P1
ISHA/NABL/AUD/009	Audit of technical records and traceability chains	P1
ISHA/NABL/AUD/010	Audit of report issuance and accreditation symbol controls	P1

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/AUD/011	Audit of data integrity and laboratory information systems	P1
ISHA/NABL/AUD/012	Audit of customer contract review and sample custody	P1
ISHA/NABL/AUD/013	Audit of subcontracting and external suppliers	P1
ISHA/NABL/AUD/014	Audit nonconformity grading and reporting	P1
ISHA/NABL/AUD/015	Corrective action tracking from internal audit findings	P1
ISHA/NABL/AUD/016	Follow-up audit and effectiveness verification	P1
ISHA/NABL/AUD/017	Preparation of management review meeting agenda	P1
ISHA/NABL/AUD/018	Review of internal and external audit inputs	P1
ISHA/NABL/AUD/019	Review of workload, resources and staffing adequacy	P1
ISHA/NABL/AUD/020	Review of PT and internal QC performance at management review	P1
ISHA/NABL/AUD/021	Review of complaints, risks and change-control status	P1
ISHA/NABL/AUD/022	Review of objectives, KPI trends and improvement actions	P1
ISHA/NABL/AUD/023	Review of adequacy of quality policies and procedures	P1
ISHA/NABL/AUD/024	Management review decision and action register	P1
ISHA/NABL/AUD/025	Tracking management review action completion	P1
ISHA/NABL/AUD/026	Verification of management review effectiveness	P1

Applicable standard clauses: 8.8; 8.9 • Additional NABL references: See policy crosswalk where applicable

21 LABORATORY INFORMATION SYSTEMS & DATA INTEGRITY | IT

ISO/IEC 17025 reference: 7.5; 7.11; 8.4 | Applies to: All ISO 17025 laboratories | Proposed owner: IT / Quality Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/IT/001	LIMS user requirement specification and selection	P1
ISHA/NABL/IT/002	LIMS installation and configuration qualification	P1
ISHA/NABL/IT/003	Validation of LIMS data processing functions	P1
ISHA/NABL/IT/004	Validation of electronic test report generation	P1
ISHA/NABL/IT/005	Computerized analytical instrument user access control	P1
ISHA/NABL/IT/006	User account creation and deactivation	P1
ISHA/NABL/IT/007	Role-based access and segregation of duties	P1
ISHA/NABL/IT/008	Password, authentication and account lockout policy	P1
ISHA/NABL/IT/009	Review of electronic audit trails	P1
ISHA/NABL/IT/010	Electronic data backup scheduling	P1
ISHA/NABL/IT/011	Test and verification of electronic data restoration	P1
ISHA/NABL/IT/012	LIMS interface to laboratory instruments	P1
ISHA/NABL/IT/013	Verification of automated data transfers	P1
ISHA/NABL/IT/014	Validation of custom calculations and spreadsheets	P1
ISHA/NABL/IT/015	Laboratory spreadsheet template approval	P1
ISHA/NABL/IT/016	Change management for analytical software versions	P1
ISHA/NABL/IT/017	System patching and cybersecurity risk management	P1
ISHA/NABL/IT/018	Data correction with original values preserved	P1
ISHA/NABL/IT/019	Reconciliation of instrument files with reported results	P1
ISHA/NABL/IT/020	Handling temporary LIMS outage and manual contingency records	P1
ISHA/NABL/IT/021	Disaster recovery for technical laboratory data	P1
ISHA/NABL/IT/022	Electronic archival, retrieval and retention	P1
ISHA/NABL/IT/023	Laboratory clock synchronization for audit trails	P1
ISHA/NABL/IT/024	Secure remote vendor support for laboratory systems	P1
ISHA/NABL/IT/025	Management of electronic signatures and release permissions	P1
ISHA/NABL/IT/026	Data integrity investigation and technical impact assessment	P1
ISHA/NABL/IT/027	Review of instrument integration middleware	P1
ISHA/NABL/IT/028	Protection of cloud-hosted laboratory data	P1
ISHA/NABL/IT/029	Control of external data received for report generation	P1
ISHA/NABL/IT/030	Instrument raw-data reprocessing and auditability	P1
ISHA/NABL/IT/031	Prevention of unauthorized deletion of analytical runs	P1
ISHA/NABL/IT/032	Review of overwritten, aborted or reintegrated test results	P1
ISHA/NABL/IT/033	Control of mobile field data collection apps	P1
ISHA/NABL/IT/034	Verification of calculations after software patch	P1

Applicable standard clauses: 7.5; 7.11; 8.4 • Additional NABL references: See policy crosswalk where applicable

22 NABL APPLICATION, ASSESSMENT & ACCREDITATION LIFECYCLE | NAB

ISO/IEC 17025 reference: 5; 8 | Applies to: Testing and calibration applicants/accredited labs | Proposed owner: Quality Manager / Accreditation Coordinator

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/NAB/001	Preparation of NABL initial gap assessment and action plan	P1
ISHA/NABL/NAB/002	Selection of proposed NABL testing or calibration discipline	P1
ISHA/NABL/NAB/003	Definition of laboratory scope by method, matrix, measurand and range	P1
ISHA/NABL/NAB/004	Selection of relevant NABL product group from classification guidance	P1
ISHA/NABL/NAB/005	Preparation of NABL test laboratory application details	P1
ISHA/NABL/NAB/006	Preparation of NABL calibration laboratory application details	P1
ISHA/NABL/NAB/007	Preparation of organizational and legal entity documentation	P1
ISHA/NABL/NAB/008	Preparation of scope of accreditation technical annexure	P1
ISHA/NABL/NAB/009	Identification of relevant NABL policies and current amendments	P1
ISHA/NABL/NAB/010	Selection of approved test and calibration methods for scope	P1
ISHA/NABL/NAB/011	Readiness assessment before application submission	P1

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/NAB/012	Preparation and upload of NABL supporting records	P1
ISHA/NABL/NAB/013	Self-assessment against ISO IEC 17025 clauses	P1
ISHA/NABL/NAB/014	Preparation of technical records for assessor witnessing	P1
ISHA/NABL/NAB/015	Preparation for NABL document review	P1
ISHA/NABL/NAB/016	Planning readiness for NABL assessment visit	P1
ISHA/NABL/NAB/017	Coordination of laboratory assessment logistics	P1
ISHA/NABL/NAB/018	Corrective action response to NABL observations	P1
ISHA/NABL/NAB/019	Objective evidence submission for closure of assessment findings	P1
ISHA/NABL/NAB/020	Handling NABL application clarification or query	P1
ISHA/NABL/NAB/021	Control of NABL scope extension application	P1
ISHA/NABL/NAB/022	Control of NABL site or key personnel change notifications	P1
ISHA/NABL/NAB/023	Monitoring continued accreditation status and surveillance	P1
ISHA/NABL/NAB/024	Preparation of NABL surveillance evidence and readiness	P1
ISHA/NABL/NAB/025	Preparation for reaccreditation and reassessment	P1
ISHA/NABL/NAB/026	Management of suspension or reduction of scope	P1
ISHA/NABL/NAB/027	Use and control of NABL symbol and combined marks	P1
ISHA/NABL/NAB/028	Claims against accreditation outside the approved scope prohibition	P1

Applicable standard clauses: 5; 8 • Additional NABL references: See policy crosswalk where applicable

23 LABORATORY SAFETY, WASTE & EMERGENCY MANAGEMENT | EHS

ISO/IEC 17025 reference: 6.3; 6.4 | Applies to: Testing and calibration labs | Proposed owner: EHS Officer

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/EHS/001	Laboratory EHS hazard identification and risk assessment	P1
ISHA/NABL/EHS/002	Chemical hygiene plan and laboratory safety rules	P1
ISHA/NABL/EHS/003	Chemical safety data sheet access and review	P1
ISHA/NABL/EHS/004	Personal protective equipment selection and issue	P1
ISHA/NABL/EHS/005	Fume hood use and airflow verification	P1
ISHA/NABL/EHS/006	Biosafety cabinet use and airflow verification	P1
ISHA/NABL/EHS/007	Storage of acids, alkalis and oxidizers	P1
ISHA/NABL/EHS/008	Flammable solvent storage and transfer	P1
ISHA/NABL/EHS/009	Compressed gas cylinder restraint and handling	P1
ISHA/NABL/EHS/010	Cryogenic liquid storage and handling	P1
ISHA/NABL/EHS/011	Spill response for chemical hazards	P1
ISHA/NABL/EHS/012	Spill response for biological hazards	P1
ISHA/NABL/EHS/013	Management of sharps and broken laboratory glassware	P1
ISHA/NABL/EHS/014	Infectious and biological waste segregation	P1
ISHA/NABL/EHS/015	Hazardous chemical waste segregation and disposal	P1
ISHA/NABL/EHS/016	Used solvent collection and disposal	P1
ISHA/NABL/EHS/017	Chemical compatibility segregation in waste containers	P1
ISHA/NABL/EHS/018	Emergency shower and eye wash inspections	P1
ISHA/NABL/EHS/019	Emergency evacuation and assembly procedures	P1
ISHA/NABL/EHS/020	Fire extinguisher inspection and fire response	P1
ISHA/NABL/EHS/021	Exposure and accident reporting procedure	P1
ISHA/NABL/EHS/022	Management of oxygen-deficient or confined testing areas	P1
ISHA/NABL/EHS/023	Handling mercury and heavy-metal contamination	P1
ISHA/NABL/EHS/024	Occupational exposure monitoring	P1
ISHA/NABL/EHS/025	First aid provision and emergency contact controls	P1
ISHA/NABL/EHS/026	Visitor and contractor safety briefing	P1
ISHA/NABL/EHS/027	Incident root cause investigation and follow-up	P1
ISHA/NABL/EHS/028	Emergency power failure and instrument protection	P1
ISHA/NABL/EHS/029	Managing radiation sources and licenses where applicable	P1
ISHA/NABL/EHS/030	Management of high-pressure calibration hazards	P1

Applicable standard clauses: 6.3; 6.4 • Additional NABL references: See policy crosswalk where applicable

24 CHEMICAL LABORATORY GENERAL OPERATIONS | CHM

ISO/IEC 17025 reference: 7.2; 7.4; 7.7 | Applies to: Chemical testing laboratories | Proposed owner: Chemical Lab / Technical Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/CHM/001	Preparation and labeling of laboratory reagents	P1
ISHA/NABL/CHM/002	Reagent shelf-life assignment and discard management	P1
ISHA/NABL/CHM/003	Preparation of volumetric standard solutions	P1
ISHA/NABL/CHM/004	Standardization of titrants and standard solutions	P1
ISHA/NABL/CHM/005	Preparation of analytical calibration standards	P1
ISHA/NABL/CHM/006	Secondary standard preparation and qualification	P1
ISHA/NABL/CHM/007	Control of analytical-grade and ultrapure water	P1
ISHA/NABL/CHM/008	Glassware cleaning and suitability checks	P1
ISHA/NABL/CHM/009	Volumetric glassware verification before use	P1
ISHA/NABL/CHM/010	Use and care of analytical balances	P1
ISHA/NABL/CHM/011	Control of microbalance weighing rooms	P1
ISHA/NABL/CHM/012	Weighing and transfer of hygroscopic materials	P1
ISHA/NABL/CHM/013	Desiccator use and desiccant replacement	P1
ISHA/NABL/CHM/014	Sample digestion with mineral acids	P1
ISHA/NABL/CHM/015	Open-vessel wet acid digestion	P1

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/CHM/016	Microwave-assisted acid digestion	P1
ISHA/NABL/CHM/017	Filtration, centrifugation and solvent extraction of analytical samples	P1
ISHA/NABL/CHM/018	Solid-liquid extraction of test samples	P1
ISHA/NABL/CHM/019	Liquid-liquid extraction of analytes	P1
ISHA/NABL/CHM/020	Soxhlet extraction procedures	P1
ISHA/NABL/CHM/021	Ultrasonic extraction of samples	P1
ISHA/NABL/CHM/022	Sample dilution and aliquot calculation verification	P1
ISHA/NABL/CHM/023	Preparation of blanks and matrix spikes	P1
ISHA/NABL/CHM/024	Preparation of calibration curves and regression checks	P1
ISHA/NABL/CHM/025	Gravimetric residue determination general method	P1
ISHA/NABL/CHM/026	Titrimetric assay general method	P1
ISHA/NABL/CHM/027	pH measurement and electrode care	P1
ISHA/NABL/CHM/028	Conductivity and total dissolved solids measurements	P1
ISHA/NABL/CHM/029	Moisture determination by loss on drying	P1
ISHA/NABL/CHM/030	Karl Fischer water determination	P1
ISHA/NABL/CHM/031	Density and specific gravity measurement	P1
ISHA/NABL/CHM/032	Viscosity measurement for liquid samples	P1
ISHA/NABL/CHM/033	Refractive index measurement	P1
ISHA/NABL/CHM/034	Color and turbidity measurement	P1
ISHA/NABL/CHM/035	Solubility and physical identification checks	P1
ISHA/NABL/CHM/036	Chemical test sequence verification prior to analysis	P1
ISHA/NABL/CHM/037	Disposition of expired or contaminated reagents	P1

Applicable standard clauses: 7.2; 7.4; 7.7 • Additional NABL references: See policy crosswalk where applicable

25 CHEMICAL ANALYTICAL INSTRUMENTS & SYSTEM SUITABILITY | INS

ISO/IEC 17025 reference: 6.4; 7.2; 7.7 | Applies to: Chemical testing laboratories | Proposed owner: Chemical QC / Instrument Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/INS/001	HPLC operation, system suitability and shutdown	P1
ISHA/NABL/INS/002	UPLC or UHPLC operation and performance checks	P1
ISHA/NABL/INS/003	Gas chromatography operation and performance checks	P1
ISHA/NABL/INS/004	Headspace GC sampler operation and suitability	P1
ISHA/NABL/INS/005	GC-MS operation and mass calibration check	P1
ISHA/NABL/INS/006	LC-MS/MS operation and tuning verification	P1
ISHA/NABL/INS/007	UV-visible spectrophotometer operation and wavelength check	P1
ISHA/NABL/INS/008	FTIR or ATR spectrometer operation and suitability	P1
ISHA/NABL/INS/009	Atomic absorption spectrophotometer operation	P1
ISHA/NABL/INS/010	ICP-OES operation and wavelength/torch performance check	P1
ISHA/NABL/INS/011	ICP-MS operation and mass calibration/tuning check	P1
ISHA/NABL/INS/012	Ion chromatography operation and eluent management	P1
ISHA/NABL/INS/013	TOC analyzer operation and calibration check	P1
ISHA/NABL/INS/014	Titrator operation, burette calibration and checks	P1
ISHA/NABL/INS/015	Potentiometric titrator operation and performance check	P1
ISHA/NABL/INS/016	Karl Fischer moisture analyzer operation and suitability	P1
ISHA/NABL/INS/017	Flame photometer operation and calibration verification	P1
ISHA/NABL/INS/018	Polarimeter operation and performance verification	P1
ISHA/NABL/INS/019	Refractometer operation and intermediate checks	P1
ISHA/NABL/INS/020	Density meter operation and suitability check	P1
ISHA/NABL/INS/021	Brookfield viscometer operation and spindle verification	P1
ISHA/NABL/INS/022	Melting point apparatus operation and temperature check	P1
ISHA/NABL/INS/023	Turbidimeter operation and calibration check	P1
ISHA/NABL/INS/024	Nephelometer operation and calibration check	P1
ISHA/NABL/INS/025	Electrochemical analyzer operation and probe maintenance	P1
ISHA/NABL/INS/026	Particle size analyzer operation and verification	P1
ISHA/NABL/INS/027	Laser diffraction analyzer operation and optical alignment	P1
ISHA/NABL/INS/028	Dissolved oxygen meter operation and calibration	P1
ISHA/NABL/INS/029	TGA thermal analyzer operation and reference checks	P1
ISHA/NABL/INS/030	DSC differential scanning calorimeter operation	P1
ISHA/NABL/INS/031	X-ray fluorescence spectrometer operation and check standards	P1
ISHA/NABL/INS/032	X-ray diffraction instrument operation and reference checks	P1
ISHA/NABL/INS/033	Sample preparation autosampler carryover check	P1
ISHA/NABL/INS/034	Chromatographic peak integration rules and reintegration control	P1
ISHA/NABL/INS/035	Analytical instrument sequence review before data approval	P1
ISHA/NABL/INS/036	System suitability failure investigation and disposition	P1
ISHA/NABL/INS/037	Preventive maintenance of chromatographic fluidics	P1
ISHA/NABL/INS/038	Column selection, conditioning, storage and tracking	P1
ISHA/NABL/INS/039	GC carrier and detector gas purity verification	P1
ISHA/NABL/INS/040	Mass spectrometer calibration and performance log	P1
ISHA/NABL/INS/041	Spectrophotometer performance with traceable optical filters	P1
ISHA/NABL/INS/042	Selection and tracking of instrument consumables	P1
ISHA/NABL/INS/043	Intermediate check program for chemical analytical instruments	P1
ISHA/NABL/INS/044	Pre-use performance check and acceptance criteria for HPLC autosampler	P2
ISHA/NABL/INS/045	Routine maintenance and contamination prevention for HPLC autosampler	P2
ISHA/NABL/INS/046	Pre-use performance check and acceptance criteria for HPLC detector	P2
ISHA/NABL/INS/047	Routine maintenance and contamination prevention for HPLC detector	P2

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/INS/048	Pre-use performance check and acceptance criteria for GC injector	P2
ISHA/NABL/INS/049	Routine maintenance and contamination prevention for GC injector	P2
ISHA/NABL/INS/050	Pre-use performance check and acceptance criteria for GC detector	P2
ISHA/NABL/INS/051	Routine maintenance and contamination prevention for GC detector	P2
ISHA/NABL/INS/052	Pre-use performance check and acceptance criteria for LC-MS ion source	P2
ISHA/NABL/INS/053	Routine maintenance and contamination prevention for LC-MS ion source	P2
ISHA/NABL/INS/054	Pre-use performance check and acceptance criteria for ICP torch	P2
ISHA/NABL/INS/055	Routine maintenance and contamination prevention for ICP torch	P2
ISHA/NABL/INS/056	Pre-use performance check and acceptance criteria for UV-Vis cuvette	P2
ISHA/NABL/INS/057	Routine maintenance and contamination prevention for UV-Vis cuvette	P2
ISHA/NABL/INS/058	Pre-use performance check and acceptance criteria for FTIR ATR crystal	P2
ISHA/NABL/INS/059	Routine maintenance and contamination prevention for FTIR ATR crystal	P2
ISHA/NABL/INS/060	Pre-use performance check and acceptance criteria for Karl Fischer cell	P2
ISHA/NABL/INS/061	Routine maintenance and contamination prevention for Karl Fischer cell	P2
ISHA/NABL/INS/062	Pre-use performance check and acceptance criteria for pH electrode	P2
ISHA/NABL/INS/063	Routine maintenance and contamination prevention for pH electrode	P2

Applicable standard clauses: 6.4; 7.2; 7.7 • Additional NABL references: See policy crosswalk where applicable

26 PHARMACEUTICAL TESTING LABORATORY METHODS | PHR

ISO/IEC 17025 reference: 7.2; 7.7 | Applies to: Conditional: drug/pharma testing lab with additional regulator obligations | Proposed owner: Pharmaceutical QC Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/PHR/001	Incoming pharmaceutical raw material identification testing	P2
ISHA/NABL/PHR/002	Active pharmaceutical ingredient assay testing	P2
ISHA/NABL/PHR/003	Pharmaceutical intermediate assay testing	P2
ISHA/NABL/PHR/004	Related substances and impurities by chromatography	P2
ISHA/NABL/PHR/005	Residual solvent testing by headspace gas chromatography	P2
ISHA/NABL/PHR/006	Water content testing for pharmaceutical substances	P2
ISHA/NABL/PHR/007	Heavy metal or elemental impurity test methods	P2
ISHA/NABL/PHR/008	Chromatographic impurity profiling and unidentified peak review	P2
ISHA/NABL/PHR/009	Tablet weight variation test	P2
ISHA/NABL/PHR/010	Tablet content uniformity test	P2
ISHA/NABL/PHR/011	Tablet friability test	P2
ISHA/NABL/PHR/012	Tablet hardness test	P2
ISHA/NABL/PHR/013	Tablet thickness and diameter measurement	P2
ISHA/NABL/PHR/014	Disintegration test for solid oral dosage forms	P2
ISHA/NABL/PHR/015	Dissolution apparatus performance verification	P2
ISHA/NABL/PHR/016	Dissolution testing and sample collection	P2
ISHA/NABL/PHR/017	Dissolution profile calculation and comparison	P2
ISHA/NABL/PHR/018	Capsule fill-weight uniformity test	P2
ISHA/NABL/PHR/019	Capsule shell integrity test	P2
ISHA/NABL/PHR/020	Oral liquid pH and specific gravity checks	P2
ISHA/NABL/PHR/021	Oral suspension redispersibility testing	P2
ISHA/NABL/PHR/022	Ointment or cream viscosity testing	P2
ISHA/NABL/PHR/023	Ointment or cream homogeneity testing	P2
ISHA/NABL/PHR/024	Pharmaceutical packaging material identity testing	P2
ISHA/NABL/PHR/025	Glass vial and ampoule dimensional checks	P2
ISHA/NABL/PHR/026	Extractable volume check for liquid oral products	P2
ISHA/NABL/PHR/027	Finished product assay and impurity release testing	P2
ISHA/NABL/PHR/028	Stability sample testing and record management	P2
ISHA/NABL/PHR/029	Stability chamber monitoring and test schedule	P2
ISHA/NABL/PHR/030	Pharmacopeial reference standard handling	P2
ISHA/NABL/PHR/031	Pharmacopeial monograph revision review	P2
ISHA/NABL/PHR/032	Procedure for out-of-specification analytical result investigation	P2
ISHA/NABL/PHR/033	Procedure for out-of-trend test result investigation	P2
ISHA/NABL/PHR/034	Laboratory investigation of atypical chromatography peaks	P2
ISHA/NABL/PHR/035	Analytical method transfer from development laboratory	P2
ISHA/NABL/PHR/036	Analytical method verification against pharmacopoeial procedure	P2
ISHA/NABL/PHR/037	Analysis of retained pharmaceutical test samples	P2
ISHA/NABL/PHR/038	Sample preparation hold-time studies	P2
ISHA/NABL/PHR/039	Rounding, specifications and pharmacopeial acceptance evaluation	P2
ISHA/NABL/PHR/040	Certificate of analysis issuance for contract pharmaceutical testing	P2
ISHA/NABL/PHR/041	Review of FDA CDSCO or state FDA testing requirements when applicable	P2

Applicable standard clauses: 7.2; 7.7 • Additional NABL references: See policy crosswalk where applicable

27 BIOLOGICAL & MICROBIOLOGY LABORATORY METHODS | MIC

ISO/IEC 17025 reference: 6.3; 7.2; 7.7 | Applies to: Biological and microbiology testing laboratories | Proposed owner: Microbiology Lab Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/MIC/001	Microbiology area entry and aseptic behavior	P1
ISHA/NABL/MIC/002	Microbiology laboratory zoning and contamination prevention	P1
ISHA/NABL/MIC/003	Sterile media preparation and dispensing	P1

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/MIC/004	Media growth promotion and sterility checks	P1
ISHA/NABL/MIC/005	Media shelf-life and storage qualification	P1
ISHA/NABL/MIC/006	Microbiology incubator operation and temperature control	P1
ISHA/NABL/MIC/007	Autoclave operation and sterilization cycle monitoring	P1
ISHA/NABL/MIC/008	Biological indicator preparation and interpretation	P1
ISHA/NABL/MIC/009	Microorganism reference culture receipt and traceability	P1
ISHA/NABL/MIC/010	Master and working microbial culture management	P1
ISHA/NABL/MIC/011	Microbial culture passage limits and subculture control	P1
ISHA/NABL/MIC/012	Microbiological sample homogenization and dilution	P1
ISHA/NABL/MIC/013	Serial dilution preparation and labeling	P1
ISHA/NABL/MIC/014	Spread plate enumeration technique	P1
ISHA/NABL/MIC/015	Pour plate enumeration technique	P1
ISHA/NABL/MIC/016	Membrane filtration microbiological technique	P1
ISHA/NABL/MIC/017	Most probable number enumeration technique	P1
ISHA/NABL/MIC/018	Total aerobic microbial count test	P1
ISHA/NABL/MIC/019	Yeast and mold count test	P1
ISHA/NABL/MIC/020	Specified microorganism detection and identification	P1
ISHA/NABL/MIC/021	Coliform bacteria detection and enumeration	P1
ISHA/NABL/MIC/022	Escherichia coli identification	P1
ISHA/NABL/MIC/023	Salmonella detection and confirmation	P1
ISHA/NABL/MIC/024	Staphylococcus aureus detection and confirmation	P1
ISHA/NABL/MIC/025	Pseudomonas aeruginosa detection and confirmation	P1
ISHA/NABL/MIC/026	Bacillus cereus detection and confirmation	P1
ISHA/NABL/MIC/027	Listeria monocytogenes detection and confirmation	P1
ISHA/NABL/MIC/028	Anaerobic culture and enumeration where applicable	P1
ISHA/NABL/MIC/029	Bioburden determination of product or material	P1
ISHA/NABL/MIC/030	Endotoxin testing by validated assay where applicable	P1
ISHA/NABL/MIC/031	Microbial identification by biochemical test	P1
ISHA/NABL/MIC/032	Microbial identification by molecular method where applicable	P1
ISHA/NABL/MIC/033	Environmental settle plate exposure and readout	P1
ISHA/NABL/MIC/034	Active air microbial sampling procedure	P1
ISHA/NABL/MIC/035	Surface swab and contact plate testing	P1
ISHA/NABL/MIC/036	Personnel hygiene microbial monitoring	P1
ISHA/NABL/MIC/037	Water microbial limit testing	P1
ISHA/NABL/MIC/038	Microbiological method suitability for product matrices	P1
ISHA/NABL/MIC/039	Recovery efficiency and neutralization validation	P1
ISHA/NABL/MIC/040	Microbial method detection and enumeration uncertainty	P1
ISHA/NABL/MIC/041	Microbial counts and CFU calculation/rounding	P1
ISHA/NABL/MIC/042	Handling contaminated culture and failed test controls	P1
ISHA/NABL/MIC/043	Microbiological positive and negative control management	P1
ISHA/NABL/MIC/044	Acceptance and rejection of microbiology batch of culture media	P1
ISHA/NABL/MIC/045	Biohazard disinfection and autoclave waste release	P1
ISHA/NABL/MIC/046	Microscope use and optical alignment checks	P1
ISHA/NABL/MIC/047	Biological safety cabinet operation and maintenance	P1
ISHA/NABL/MIC/048	Review of microbial trends and investigation of recurring flora	P1
ISHA/NABL/MIC/049	Pre-use performance check and acceptance criteria for microbiology incubator	P2
ISHA/NABL/MIC/050	Routine maintenance and contamination prevention for microbiology incubator	P2
ISHA/NABL/MIC/051	Pre-use performance check and acceptance criteria for autoclave	P2
ISHA/NABL/MIC/052	Routine maintenance and contamination prevention for autoclave	P2
ISHA/NABL/MIC/053	Pre-use performance check and acceptance criteria for biosafety cabinet	P2
ISHA/NABL/MIC/054	Routine maintenance and contamination prevention for biosafety cabinet	P2
ISHA/NABL/MIC/055	Pre-use performance check and acceptance criteria for colony counter	P2
ISHA/NABL/MIC/056	Routine maintenance and contamination prevention for colony counter	P2
ISHA/NABL/MIC/057	Pre-use performance check and acceptance criteria for microbial air sampler	P2
ISHA/NABL/MIC/058	Routine maintenance and contamination prevention for microbial air sampler	P2
ISHA/NABL/MIC/059	Pre-use performance check and acceptance criteria for microscope	P2
ISHA/NABL/MIC/060	Routine maintenance and contamination prevention for microscope	P2

Applicable standard clauses: 6.3; 7.2; 7.7 • Additional NABL references: See policy crosswalk where applicable

28 FOOD, DRINKING WATER & ENVIRONMENTAL CHEMISTRY TESTING | FWD

ISO/IEC 17025 reference: 7.2; 7.3; 7.7 | Applies to: Conditional: food, water and environmental testing | Proposed owner: Food/Water Lab Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/FWD/001	Drinking-water physical parameter analysis	P2
ISHA/NABL/FWD/002	Drinking-water pH and conductivity testing	P2
ISHA/NABL/FWD/003	Water alkalinity and acidity test	P2
ISHA/NABL/FWD/004	Water hardness and calcium/magnesium analysis	P2
ISHA/NABL/FWD/005	Water chloride determination	P2
ISHA/NABL/FWD/006	Water sulfate determination	P2
ISHA/NABL/FWD/007	Water nitrate and nitrite determination	P2
ISHA/NABL/FWD/008	Water fluoride determination	P2
ISHA/NABL/FWD/009	Water iron and manganese determination	P2
ISHA/NABL/FWD/010	Water residual chlorine measurement	P2
ISHA/NABL/FWD/011	Water dissolved oxygen determination	P2

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/FWD/012	Water biochemical oxygen demand test	P2
ISHA/NABL/FWD/013	Water chemical oxygen demand test	P2
ISHA/NABL/FWD/014	Water total suspended solids determination	P2
ISHA/NABL/FWD/015	Water oil and grease determination	P2
ISHA/NABL/FWD/016	Water pesticide residue extraction and testing	P2
ISHA/NABL/FWD/017	Water heavy metals determination	P2
ISHA/NABL/FWD/018	Food proximate composition testing	P2
ISHA/NABL/FWD/019	Food protein determination by Kjeldahl method	P2
ISHA/NABL/FWD/020	Food crude fat determination by solvent extraction	P2
ISHA/NABL/FWD/021	Food moisture determination	P2
ISHA/NABL/FWD/022	Food ash and mineral determination	P2
ISHA/NABL/FWD/023	Food carbohydrate calculation and validation	P2
ISHA/NABL/FWD/024	Food acidity, salt and sugar content tests	P2
ISHA/NABL/FWD/025	Food preservative and additive quantification	P2
ISHA/NABL/FWD/026	Food mycotoxin sample preparation and testing	P2
ISHA/NABL/FWD/027	Food pesticide residue analysis	P2
ISHA/NABL/FWD/028	Food antibiotic or veterinary residue testing	P2
ISHA/NABL/FWD/029	Food adulteration screening procedures	P2
ISHA/NABL/FWD/030	Food allergen testing and cross-reactivity control	P2
ISHA/NABL/FWD/031	Agricultural soil pH and conductivity determination	P2
ISHA/NABL/FWD/032	Soil organic carbon determination	P2
ISHA/NABL/FWD/033	Soil nutrient and available phosphorus determination	P2
ISHA/NABL/FWD/034	Environmental wastewater sample digestion	P2
ISHA/NABL/FWD/035	Ambient particulate matter filter conditioning and weighing	P2

Applicable standard clauses: 7.2; 7.3; 7.7 • Additional NABL references: See policy crosswalk where applicable

29 AIR, ENVIRONMENTAL MONITORING & FIELD TESTING | ENV

ISO/IEC 17025 reference: 7.2; 7.3; 7.7 | Applies to: Conditional: environmental or field testing laboratory | Proposed owner: Environmental Testing Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/ENV/001	Ambient air PM2.5 gravimetric sampling	P2
ISHA/NABL/ENV/002	Ambient air PM10 sampling and analysis	P2
ISHA/NABL/ENV/003	Ambient air gaseous pollutant sampling	P2
ISHA/NABL/ENV/004	Sulfur dioxide sampling and analysis	P2
ISHA/NABL/ENV/005	Nitrogen dioxide sampling and analysis	P2
ISHA/NABL/ENV/006	Ozone measurement and analyzer verification	P2
ISHA/NABL/ENV/007	Carbon monoxide monitoring and zero-span checks	P2
ISHA/NABL/ENV/008	Stack emission traverse and sampling point selection	P2
ISHA/NABL/ENV/009	Stack particulate sampling and filter handling	P2
ISHA/NABL/ENV/010	Stack sulfur dioxide and NOx measurement	P2
ISHA/NABL/ENV/011	Stack flue gas analyzer calibration checks	P2
ISHA/NABL/ENV/012	Stack velocity, temperature and flow measurements	P2
ISHA/NABL/ENV/013	Ambient noise level measurement	P2
ISHA/NABL/ENV/014	Noise dosimeter operation and verification	P2
ISHA/NABL/ENV/015	Indoor air quality sampling	P2
ISHA/NABL/ENV/016	Industrial hygiene airborne contaminant sampling	P2
ISHA/NABL/ENV/017	Volatile organic compound air sampling	P2
ISHA/NABL/ENV/018	Passive sampling device deployment and retrieval	P2
ISHA/NABL/ENV/019	Environmental field blank and duplicate control	P2
ISHA/NABL/ENV/020	Air sampler leak-check procedure	P2
ISHA/NABL/ENV/021	Gas analyzer zero and span verification	P2
ISHA/NABL/ENV/022	Field meteorological data logging	P2
ISHA/NABL/ENV/023	Environmental monitoring station preventive maintenance	P2
ISHA/NABL/ENV/024	Air filter preconditioning and postconditioning	P2
ISHA/NABL/ENV/025	Air flowmeter verification for sampling instruments	P2
ISHA/NABL/ENV/026	Site-specific sample preservation and shipping	P2
ISHA/NABL/ENV/027	Soil sampling and compositing operations	P2
ISHA/NABL/ENV/028	Sediment sampling and decontamination	P2
ISHA/NABL/ENV/029	Environmental data completeness and field QA review	P2
ISHA/NABL/ENV/030	Field-generated measurement uncertainty evaluation	P2

Applicable standard clauses: 7.2; 7.3; 7.7 • Additional NABL references: See policy crosswalk where applicable

30 MECHANICAL & MATERIAL TESTING | MAT

ISO/IEC 17025 reference: 7.2; 7.7 | Applies to: Conditional: mechanical/materials testing | Proposed owner: Mechanical Testing Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/MAT/001	Tensile strength testing of metals	P2
ISHA/NABL/MAT/002	Yield strength and elongation evaluation	P2
ISHA/NABL/MAT/003	Compression testing of metallic materials	P2
ISHA/NABL/MAT/004	Flexural testing of materials	P2
ISHA/NABL/MAT/005	Hardness test using Rockwell scale	P2
ISHA/NABL/MAT/006	Hardness test using Brinell scale	P2
ISHA/NABL/MAT/007	Hardness test using Vickers scale	P2

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/MAT/008	Charpy impact testing	P2
ISHA/NABL/MAT/009	Izod impact testing	P2
ISHA/NABL/MAT/010	Material density determination	P2
ISHA/NABL/MAT/011	Concrete compressive strength testing	P2
ISHA/NABL/MAT/012	Concrete slump testing	P2
ISHA/NABL/MAT/013	Concrete cube curing and identification	P2
ISHA/NABL/MAT/014	Cement fineness testing	P2
ISHA/NABL/MAT/015	Cement setting time testing	P2
ISHA/NABL/MAT/016	Aggregate sieve analysis	P2
ISHA/NABL/MAT/017	Aggregate crushing value testing	P2
ISHA/NABL/MAT/018	Aggregate impact value testing	P2
ISHA/NABL/MAT/019	Soil compaction testing	P2
ISHA/NABL/MAT/020	Soil California bearing ratio test	P2
ISHA/NABL/MAT/021	Soil liquid and plastic limits testing	P2
ISHA/NABL/MAT/022	Weld bend testing	P2
ISHA/NABL/MAT/023	Weld tensile testing	P2
ISHA/NABL/MAT/024	Weld macro examination	P2
ISHA/NABL/MAT/025	Coating thickness testing	P2
ISHA/NABL/MAT/026	Surface roughness measurement	P2
ISHA/NABL/MAT/027	Surface profile and flatness check	P2
ISHA/NABL/MAT/028	Dimensional conformity inspection	P2
ISHA/NABL/MAT/029	Environmental conditioning before mechanical tests	P2
ISHA/NABL/MAT/030	Fixture and grip selection for universal testing machine	P2
ISHA/NABL/MAT/031	UTM verification before testing	P2
ISHA/NABL/MAT/032	Crosshead displacement measurement verification	P2
ISHA/NABL/MAT/033	Traceability of mechanical test specimens	P2
ISHA/NABL/MAT/034	Specimen machining and identification controls	P2
ISHA/NABL/MAT/035	Fatigue testing of cyclic loaded materials	P2
ISHA/NABL/MAT/036	Torque strength and failure testing	P2
ISHA/NABL/MAT/037	Pressure leakage testing of fabricated parts	P2
ISHA/NABL/MAT/038	Seal integrity and burst pressure measurement	P2
ISHA/NABL/MAT/039	Mechanical test fracture and failure classification	P2
ISHA/NABL/MAT/040	Pre-use performance check and acceptance criteria for universal testing machine	P2
ISHA/NABL/MAT/041	Routine maintenance and contamination prevention for universal testing machine	P2
ISHA/NABL/MAT/042	Pre-use performance check and acceptance criteria for impact tester	P2
ISHA/NABL/MAT/043	Routine maintenance and contamination prevention for impact tester	P2
ISHA/NABL/MAT/044	Pre-use performance check and acceptance criteria for hardness testing machine	P2
ISHA/NABL/MAT/045	Routine maintenance and contamination prevention for hardness testing machine	P2
ISHA/NABL/MAT/046	Pre-use performance check and acceptance criteria for concrete compression tester	P2
ISHA/NABL/MAT/047	Routine maintenance and contamination prevention for concrete compression tester	P2
ISHA/NABL/MAT/048	Pre-use performance check and acceptance criteria for soil compaction apparatus	P2
ISHA/NABL/MAT/049	Routine maintenance and contamination prevention for soil compaction apparatus	P2
ISHA/NABL/MAT/050	Pre-use performance check and acceptance criteria for sieve shaker	P2
ISHA/NABL/MAT/051	Routine maintenance and contamination prevention for sieve shaker	P2

Applicable standard clauses: 7.2; 7.7 • Additional NABL references: See policy crosswalk where applicable

31 ELECTRICAL, ELECTRONICS & SOFTWARE TESTING | ELT

ISO/IEC 17025 reference: 7.2; 7.7 | Applies to: Conditional: electrotechnical or software testing | Proposed owner: Electrical Test Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/ELT/001	Electrical insulation resistance testing	P2
ISHA/NABL/ELT/002	Dielectric withstand voltage testing	P2
ISHA/NABL/ELT/003	Electrical continuity testing	P2
ISHA/NABL/ELT/004	Protective earth resistance testing	P2
ISHA/NABL/ELT/005	Earth leakage current measurement	P2
ISHA/NABL/ELT/006	Insulation breakdown voltage testing	P2
ISHA/NABL/ELT/007	AC voltage measurement by digital multimeter	P2
ISHA/NABL/ELT/008	DC voltage measurement by digital multimeter	P2
ISHA/NABL/ELT/009	AC current measurement and measurement burden control	P2
ISHA/NABL/ELT/010	DC current measurement and measurement burden control	P2
ISHA/NABL/ELT/011	Resistance measurement using 4-wire method	P2
ISHA/NABL/ELT/012	Capacitance and inductance testing	P2
ISHA/NABL/ELT/013	Frequency measurement by counter	P2
ISHA/NABL/ELT/014	Power factor measurement	P2
ISHA/NABL/ELT/015	Power analyzer operation and checks	P2
ISHA/NABL/ELT/016	Electrical power measurement uncertainty	P2
ISHA/NABL/ELT/017	Electrical energy meter performance test	P2
ISHA/NABL/ELT/018	Oscilloscope timebase and amplitude verification	P2
ISHA/NABL/ELT/019	Signal generator output performance verification	P2
ISHA/NABL/ELT/020	Functional electrical safety testing of equipment	P2
ISHA/NABL/ELT/021	Environmental and thermal stress preconditioning	P2
ISHA/NABL/ELT/022	Electrical instrument terminal and probe safety	P2
ISHA/NABL/ELT/023	Electrostatic discharge immunity testing where applicable	P2
ISHA/NABL/ELT/024	Electromagnetic compatibility emissions testing where applicable	P2
ISHA/NABL/ELT/025	Electromagnetic susceptibility testing where applicable	P2

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/ELT/026	Battery capacity and discharge testing	P2
ISHA/NABL/ELT/027	Battery internal resistance measurement	P2
ISHA/NABL/ELT/028	Electronic display brightness measurement	P2
ISHA/NABL/ELT/029	Printed circuit board visual inspection and testing	P2
ISHA/NABL/ELT/030	Software test case execution and evidence collection	P2
ISHA/NABL/ELT/031	Software regression test management	P2
ISHA/NABL/ELT/032	Test data integrity in automated test benches	P2
ISHA/NABL/ELT/033	Validation of instrument communication protocol	P2
ISHA/NABL/ELT/034	Firmware version control during hardware testing	P2

Applicable standard clauses: 7.2; 7.7 • Additional NABL references: See policy crosswalk where applicable

32 NON-DESTRUCTIVE TESTING & INSPECTION METHODS | NDT

ISO/IEC 17025 reference: 7.2; 7.7 | Applies to: Conditional: NDT testing laboratory | Proposed owner: NDT Technical Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/NDT/001	Ultrasonic testing method selection and calibration	P2
ISHA/NABL/NDT/002	Ultrasonic flaw detector equipment performance check	P2
ISHA/NABL/NDT/003	Ultrasonic thickness measurement	P2
ISHA/NABL/NDT/004	Radiographic inspection of welds	P2
ISHA/NABL/NDT/005	Radiographic film or digital image sensitivity verification	P2
ISHA/NABL/NDT/006	Radiographic technique chart preparation	P2
ISHA/NABL/NDT/007	Magnetic particle inspection of welds	P2
ISHA/NABL/NDT/008	Magnetic particle test bench checks	P2
ISHA/NABL/NDT/009	Liquid penetrant testing of components	P2
ISHA/NABL/NDT/010	Penetrant sensitivity and wash verification	P2
ISHA/NABL/NDT/011	Visual welding inspection method	P2
ISHA/NABL/NDT/012	Dye penetrant indication interpretation	P2
ISHA/NABL/NDT/013	Ultrasonic calibration block control	P2
ISHA/NABL/NDT/014	Radiographic image archival and traceability	P2
ISHA/NABL/NDT/015	NDT report review and acceptance criteria	P2
ISHA/NABL/NDT/016	NDT inspector competence and certification check	P2
ISHA/NABL/NDT/017	NDT test environment and surface preparation	P2
ISHA/NABL/NDT/018	Ultrasonic test coupling and surface conditions	P2
ISHA/NABL/NDT/019	Reference defect standard management	P2
ISHA/NABL/NDT/020	NDT indication sizing and characterization	P2
ISHA/NABL/NDT/021	Management of disputed NDT indications	P2
ISHA/NABL/NDT/022	Radiation safety and controlled area for radiography	P2
ISHA/NABL/NDT/023	Repair verification and retesting procedures	P2
ISHA/NABL/NDT/024	Mobile NDT equipment dispatch and return	P2

Applicable standard clauses: 7.2; 7.7 • Additional NABL references: See policy crosswalk where applicable

33 OPTICAL, PHOTOMETRIC & RADIOLOGICAL TESTING | OPT

ISO/IEC 17025 reference: 7.2; 7.7 | Applies to: Conditional: optical/radiological testing | Proposed owner: Specialist Testing Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/OPT/001	Illuminance measurement using lux meter	P2
ISHA/NABL/OPT/002	Luminance measurement using photometer	P2
ISHA/NABL/OPT/003	Color temperature measurement	P2
ISHA/NABL/OPT/004	Visible light spectral measurement	P2
ISHA/NABL/OPT/005	Optical transmittance test	P2
ISHA/NABL/OPT/006	Refractive index of optical component	P2
ISHA/NABL/OPT/007	Laser output power measurement	P2
ISHA/NABL/OPT/008	Optical attenuation measurement	P2
ISHA/NABL/OPT/009	Spectroradiometer operation and checks	P2
ISHA/NABL/OPT/010	UV irradiance measurement	P2
ISHA/NABL/OPT/011	Optical alignment and detector positioning	P2
ISHA/NABL/OPT/012	Photometer reference standard verification	P2
ISHA/NABL/OPT/013	Ionizing radiation survey meter performance check	P2
ISHA/NABL/OPT/014	Radiation dose rate measurement	P2
ISHA/NABL/OPT/015	Radiation counting system background control	P2
ISHA/NABL/OPT/016	Gamma spectrometry energy calibration	P2
ISHA/NABL/OPT/017	Gamma spectrometry efficiency calibration	P2
ISHA/NABL/OPT/018	Radioactive source custody and inventory control	P2
ISHA/NABL/OPT/019	Radioactive sample contamination monitoring	P2
ISHA/NABL/OPT/020	Detector dead-time correction and assessment	P2
ISHA/NABL/OPT/021	Measurement uncertainty in radiation counting	P2
ISHA/NABL/OPT/022	Environmental dosimetry test reporting	P2
ISHA/NABL/OPT/023	Radiological instrument safety and regulatory controls	P2

Applicable standard clauses: 7.2; 7.7 • Additional NABL references: See policy crosswalk where applicable

34 MASS, BALANCE, FORCE & TORQUE CALIBRATION | MASS

ISO/IEC 17025 reference: 6.5; 7.2; 7.6 | Applies to: Conditional: calibration labs - mechanical | Proposed owner: Mass/Force Metrology Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/MASS/001	Calibration of analytical balances	P2
ISHA/NABL/MASS/002	Calibration of precision top-loading balances	P2
ISHA/NABL/MASS/003	Calibration of microbalances	P2
ISHA/NABL/MASS/004	Calibration of platform and industrial weighing scales	P2
ISHA/NABL/MASS/005	Calibration of weighing balances at customer site	P2
ISHA/NABL/MASS/006	Balance repeatability and eccentricity evaluation	P2
ISHA/NABL/MASS/007	Balance indication error and linearity evaluation	P2
ISHA/NABL/MASS/008	Balance minimum weight determination	P2
ISHA/NABL/MASS/009	Calibration and verification of reference mass standards	P2
ISHA/NABL/MASS/010	Handling and acclimatization of reference mass standards	P2
ISHA/NABL/MASS/011	Mass comparison method and buoyancy considerations	P2
ISHA/NABL/MASS/012	Calibration of spring balances	P2
ISHA/NABL/MASS/013	Calibration of load cells	P2
ISHA/NABL/MASS/014	Calibration of force gauges	P2
ISHA/NABL/MASS/015	Calibration of universal testing machine force indication	P2
ISHA/NABL/MASS/016	Compression proving ring calibration	P2
ISHA/NABL/MASS/017	Calibration of weighing indicators and load transmitters	P2
ISHA/NABL/MASS/018	Calibration of torque wrenches	P2
ISHA/NABL/MASS/019	Calibration of torque transducers	P2
ISHA/NABL/MASS/020	Calibration of torque screwdrivers	P2
ISHA/NABL/MASS/021	Measurement uncertainty in mass calibration	P2
ISHA/NABL/MASS/022	Measurement uncertainty in force calibration	P2
ISHA/NABL/MASS/023	Measurement uncertainty in torque calibration	P2
ISHA/NABL/MASS/024	CMC review for mass and force calibration	P2
ISHA/NABL/MASS/025	Reference load-frame alignment and zero check	P2
ISHA/NABL/MASS/026	Monitoring drift of mass comparator	P2

Applicable standard clauses: 6.5; 7.2; 7.6 • Additional NABL references: See policy crosswalk where applicable

35 DIMENSIONAL & GEOMETRICAL CALIBRATION | DIM

ISO/IEC 17025 reference: 6.5; 7.2; 7.6 | Applies to: Conditional: calibration labs - dimension | Proposed owner: Dimensional Metrology Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/DIM/001	Calibration of vernier calipers	P2
ISHA/NABL/DIM/002	Calibration of digital calipers	P2
ISHA/NABL/DIM/003	Calibration of external micrometers	P2
ISHA/NABL/DIM/004	Calibration of internal micrometers	P2
ISHA/NABL/DIM/005	Calibration of depth micrometers	P2
ISHA/NABL/DIM/006	Calibration of bore gauges	P2
ISHA/NABL/DIM/007	Calibration of height gauges	P2
ISHA/NABL/DIM/008	Calibration of dial indicators	P2
ISHA/NABL/DIM/009	Calibration of digital indicators	P2
ISHA/NABL/DIM/010	Calibration of slip gauges and gauge blocks	P2
ISHA/NABL/DIM/011	Calibration of pin gauges	P2
ISHA/NABL/DIM/012	Calibration of plug gauges	P2
ISHA/NABL/DIM/013	Calibration of ring gauges	P2
ISHA/NABL/DIM/014	Calibration of thread plug gauges	P2
ISHA/NABL/DIM/015	Calibration of thread ring gauges	P2
ISHA/NABL/DIM/016	Calibration of feeler gauges	P2
ISHA/NABL/DIM/017	Calibration of steel measuring rules	P2
ISHA/NABL/DIM/018	Calibration of measuring tapes	P2
ISHA/NABL/DIM/019	Calibration of coordinate measuring machines	P2
ISHA/NABL/DIM/020	Calibration of surface plates	P2
ISHA/NABL/DIM/021	Calibration of angle blocks and protractors	P2
ISHA/NABL/DIM/022	Calibration of bevel protractors	P2
ISHA/NABL/DIM/023	Calibration of optical profile projectors	P2
ISHA/NABL/DIM/024	Calibration of coating thickness gauges	P2
ISHA/NABL/DIM/025	Calibration of surface roughness testers	P2
ISHA/NABL/DIM/026	Dimensional calibration environmental temperature correction	P2
ISHA/NABL/DIM/027	Reference grade block cleaning and wringing checks	P2
ISHA/NABL/DIM/028	Geometrical measurement uncertainty budget	P2
ISHA/NABL/DIM/029	Pre-use performance check and acceptance criteria for dial indicator comparator	P2
ISHA/NABL/DIM/030	Routine maintenance and contamination prevention for dial indicator comparator	P2
ISHA/NABL/DIM/031	Pre-use performance check and acceptance criteria for gauge block comparator	P2
ISHA/NABL/DIM/032	Routine maintenance and contamination prevention for gauge block comparator	P2
ISHA/NABL/DIM/033	Pre-use performance check and acceptance criteria for micrometer setting standard	P2
ISHA/NABL/DIM/034	Routine maintenance and contamination prevention for micrometer setting standard	P2
ISHA/NABL/DIM/035	Pre-use performance check and acceptance criteria for surface plate	P2
ISHA/NABL/DIM/036	Routine maintenance and contamination prevention for surface plate	P2
ISHA/NABL/DIM/037	Pre-use performance check and acceptance criteria for length measuring bench	P2
ISHA/NABL/DIM/038	Routine maintenance and contamination prevention for length measuring bench	P2

Applicable standard clauses: 6.5; 7.2; 7.6 • Additional NABL references: See policy crosswalk where applicable

36 THERMAL, TEMPERATURE & RELATIVE HUMIDITY CALIBRATION | TMP

ISO/IEC 17025 reference: 6.5; 7.2; 7.6 | Applies to: Conditional: calibration labs - thermal | Proposed owner: Thermal Metrology Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/TMP/001	Calibration of glass liquid-in-glass thermometers	P2
ISHA/NABL/TMP/002	Calibration of digital thermometers	P2
ISHA/NABL/TMP/003	Calibration of RTD temperature sensors	P2
ISHA/NABL/TMP/004	Calibration of thermocouple sensors	P2
ISHA/NABL/TMP/005	Calibration of temperature transmitters	P2
ISHA/NABL/TMP/006	Calibration of infrared thermometers	P2
ISHA/NABL/TMP/007	Calibration of thermal imaging cameras where within scope	P2
ISHA/NABL/TMP/008	Calibration of data loggers and temperature recorders	P2
ISHA/NABL/TMP/009	Calibration of temperature controllers and indicators	P2
ISHA/NABL/TMP/010	Calibration of laboratory incubators	P2
ISHA/NABL/TMP/011	Calibration of laboratory ovens	P2
ISHA/NABL/TMP/012	Calibration of refrigerators and freezers	P2
ISHA/NABL/TMP/013	Calibration of deep freezers	P2
ISHA/NABL/TMP/014	Calibration of temperature-controlled water baths	P2
ISHA/NABL/TMP/015	Calibration of hot plates and heating blocks	P2
ISHA/NABL/TMP/016	Calibration of autoclave temperature sensors	P2
ISHA/NABL/TMP/017	Temperature mapping of storage chambers	P2
ISHA/NABL/TMP/018	Temperature uniformity survey of stability chambers	P2
ISHA/NABL/TMP/019	Calibration of psychrometers	P2
ISHA/NABL/TMP/020	Calibration of humidity sensors	P2
ISHA/NABL/TMP/021	Calibration of humidity transmitters	P2
ISHA/NABL/TMP/022	Calibration of hygrometers	P2
ISHA/NABL/TMP/023	Calibration of environmental monitoring meters	P2
ISHA/NABL/TMP/024	Dry block calibrator performance verification	P2
ISHA/NABL/TMP/025	Thermal bath stability and uniformity evaluation	P2
ISHA/NABL/TMP/026	Reference PRT storage and handling	P2
ISHA/NABL/TMP/027	Ice-point reference preparation and control	P2
ISHA/NABL/TMP/028	Calibration of humidity generators and chambers	P2
ISHA/NABL/TMP/029	Temperature uncertainty budget including immersion effects	P2
ISHA/NABL/TMP/030	Relative humidity uncertainty estimation	P2
ISHA/NABL/TMP/031	Pre-use performance check and acceptance criteria for dry block calibrator	P2
ISHA/NABL/TMP/032	Routine maintenance and contamination prevention for dry block calibrator	P2
ISHA/NABL/TMP/033	Pre-use performance check and acceptance criteria for temperature reference bath	P2
ISHA/NABL/TMP/034	Routine maintenance and contamination prevention for temperature reference bath	P2
ISHA/NABL/TMP/035	Pre-use performance check and acceptance criteria for humidity generator	P2
ISHA/NABL/TMP/036	Routine maintenance and contamination prevention for humidity generator	P2
ISHA/NABL/TMP/037	Pre-use performance check and acceptance criteria for temperature chamber	P2
ISHA/NABL/TMP/038	Routine maintenance and contamination prevention for temperature chamber	P2
ISHA/NABL/TMP/039	Pre-use performance check and acceptance criteria for temperature data logger	P2
ISHA/NABL/TMP/040	Routine maintenance and contamination prevention for temperature data logger	P2

Applicable standard clauses: 6.5; 7.2; 7.6 • Additional NABL references: See policy crosswalk where applicable

37 PRESSURE, VACUUM, FLOW & VOLUME CALIBRATION | PRS

ISO/IEC 17025 reference: 6.5; 7.2; 7.6 | Applies to: Conditional: calibration labs - pressure/flow/volume | Proposed owner: Pressure/Flow Metrology Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/PRS/001	Calibration of analog pressure gauges	P2
ISHA/NABL/PRS/002	Calibration of digital pressure gauges	P2
ISHA/NABL/PRS/003	Calibration of pressure transmitters	P2
ISHA/NABL/PRS/004	Calibration of pressure switches	P2
ISHA/NABL/PRS/005	Calibration of differential pressure gauges	P2
ISHA/NABL/PRS/006	Calibration of differential pressure transmitters	P2
ISHA/NABL/PRS/007	Calibration of vacuum gauges	P2
ISHA/NABL/PRS/008	Calibration of barometers	P2
ISHA/NABL/PRS/009	Calibration of manometers	P2
ISHA/NABL/PRS/010	Calibration of pressure safety valve set point where within scope	P2
ISHA/NABL/PRS/011	Calibration of pressure calibrators	P2
ISHA/NABL/PRS/012	Deadweight tester performance verification	P2
ISHA/NABL/PRS/013	Pressure leak and stabilization checks before calibration	P2
ISHA/NABL/PRS/014	Hydrostatic head correction in pressure calibration	P2
ISHA/NABL/PRS/015	Calibration of liquid flowmeters	P2
ISHA/NABL/PRS/016	Calibration of air and gas flowmeters	P2
ISHA/NABL/PRS/017	Calibration of rotameters	P2
ISHA/NABL/PRS/018	Calibration of mass flow controllers	P2
ISHA/NABL/PRS/019	Calibration of pipettes	P2
ISHA/NABL/PRS/020	Calibration of burettes	P2
ISHA/NABL/PRS/021	Calibration of volumetric flasks	P2
ISHA/NABL/PRS/022	Calibration of graduated cylinders	P2
ISHA/NABL/PRS/023	Calibration of automatic dispensers	P2
ISHA/NABL/PRS/024	Calibration of laboratory micropipettes	P2
ISHA/NABL/PRS/025	Gravimetric volume measurement and water density correction	P2
ISHA/NABL/PRS/026	Volume measurement uncertainty calculation	P2
ISHA/NABL/PRS/027	Pressure uncertainty calculation	P2
ISHA/NABL/PRS/028	Flow uncertainty including reference fluid properties	P2

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/PRS/029	Pre-use performance check and acceptance criteria for deadweight pressure balance	P2
ISHA/NABL/PRS/030	Routine maintenance and contamination prevention for deadweight pressure balance	P2
ISHA/NABL/PRS/031	Pre-use performance check and acceptance criteria for pressure calibrator	P2
ISHA/NABL/PRS/032	Routine maintenance and contamination prevention for pressure calibrator	P2
ISHA/NABL/PRS/033	Pre-use performance check and acceptance criteria for liquid flow bench	P2
ISHA/NABL/PRS/034	Routine maintenance and contamination prevention for liquid flow bench	P2
ISHA/NABL/PRS/035	Pre-use performance check and acceptance criteria for gas flow calibration bench	P2
ISHA/NABL/PRS/036	Routine maintenance and contamination prevention for gas flow calibration bench	P2
ISHA/NABL/PRS/037	Pre-use performance check and acceptance criteria for gravimetric volume bench	P2
ISHA/NABL/PRS/038	Routine maintenance and contamination prevention for gravimetric volume bench	P2

Applicable standard clauses: 6.5; 7.2; 7.6 • Additional NABL references: See policy crosswalk where applicable

38 ELECTRICAL & TIME-FREQUENCY CALIBRATION | ELE

ISO/IEC 17025 reference: 6.5; 7.2; 7.6 | Applies to: Conditional: calibration labs - electro-technical | Proposed owner: Electrical Metrology Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/ELE/001	Calibration of digital multimeters	P2
ISHA/NABL/ELE/002	Calibration of analog multimeters	P2
ISHA/NABL/ELE/003	Calibration of DC voltage calibrators	P2
ISHA/NABL/ELE/004	Calibration of AC voltage calibrators	P2
ISHA/NABL/ELE/005	Calibration of AC and DC current calibrators	P2
ISHA/NABL/ELE/006	Calibration of resistance standards	P2
ISHA/NABL/ELE/007	Calibration of decade resistance boxes	P2
ISHA/NABL/ELE/008	Calibration of insulation resistance testers	P2
ISHA/NABL/ELE/009	Calibration of clamp meters	P2
ISHA/NABL/ELE/010	Calibration of electrical power analyzers	P2
ISHA/NABL/ELE/011	Calibration of energy meters	P2
ISHA/NABL/ELE/012	Calibration of frequency counters	P2
ISHA/NABL/ELE/013	Calibration of signal generators	P2
ISHA/NABL/ELE/014	Calibration of oscilloscopes	P2
ISHA/NABL/ELE/015	Calibration of spectrum analyzers	P2
ISHA/NABL/ELE/016	Calibration of LCR meters	P2
ISHA/NABL/ELE/017	Calibration of capacitance meters	P2
ISHA/NABL/ELE/018	Calibration of inductance meters	P2
ISHA/NABL/ELE/019	Calibration of earth resistance testers	P2
ISHA/NABL/ELE/020	Calibration of leakage current testers	P2
ISHA/NABL/ELE/021	Calibration of high-voltage probes	P2
ISHA/NABL/ELE/022	Calibration of temperature process calibrators	P2
ISHA/NABL/ELE/023	Calibration of multifunction process calibrators	P2
ISHA/NABL/ELE/024	Calibration of stopwatch and electronic timers	P2
ISHA/NABL/ELE/025	Calibration of time interval meters	P2
ISHA/NABL/ELE/026	Calibration of tachometers	P2
ISHA/NABL/ELE/027	Calibration of vibration analyzers with appropriate reference	P2
ISHA/NABL/ELE/028	Calibration of lux meters and photometers where within scope	P2
ISHA/NABL/ELE/029	Calibration of sound level meters where within scope	P2
ISHA/NABL/ELE/030	Calibration of radiation survey meters where authorized	P2
ISHA/NABL/ELE/031	Electrical calibration reference standard warm-up	P2
ISHA/NABL/ELE/032	AC waveform and harmonic distortion evaluation	P2
ISHA/NABL/ELE/033	Lead and connection compensation in low-resistance calibration	P2
ISHA/NABL/ELE/034	Electrical calibration uncertainty budget review	P2
ISHA/NABL/ELE/035	Time and frequency standard traceability review	P2
ISHA/NABL/ELE/036	Pre-use performance check and acceptance criteria for multifunction calibrator	P2
ISHA/NABL/ELE/037	Routine maintenance and contamination prevention for multifunction calibrator	P2
ISHA/NABL/ELE/038	Pre-use performance check and acceptance criteria for precision DMM	P2
ISHA/NABL/ELE/039	Routine maintenance and contamination prevention for precision DMM	P2
ISHA/NABL/ELE/040	Pre-use performance check and acceptance criteria for frequency reference	P2
ISHA/NABL/ELE/041	Routine maintenance and contamination prevention for frequency reference	P2
ISHA/NABL/ELE/042	Pre-use performance check and acceptance criteria for AC power standard	P2
ISHA/NABL/ELE/043	Routine maintenance and contamination prevention for AC power standard	P2
ISHA/NABL/ELE/044	Pre-use performance check and acceptance criteria for resistance standard	P2
ISHA/NABL/ELE/045	Routine maintenance and contamination prevention for resistance standard	P2

Applicable standard clauses: 6.5; 7.2; 7.6 • Additional NABL references: See policy crosswalk where applicable

39 MEDICAL DEVICE CALIBRATION & SPECIALIST METROLOGY | MED

ISO/IEC 17025 reference: 6.5; 7.2; 7.6 | Applies to: Conditional: calibration labs - medical devices | Proposed owner: Biomedical Metrology Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/MED/001	Calibration of non-invasive blood pressure monitors	P2
ISHA/NABL/MED/002	Calibration of invasive blood pressure transducers	P2
ISHA/NABL/MED/003	Calibration of patient monitoring ECG simulator functions	P2
ISHA/NABL/MED/004	Calibration of pulse oximeter simulators	P2
ISHA/NABL/MED/005	Calibration of defibrillator energy output	P2

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/MED/006	Calibration of infusion pumps and syringe pumps	P2
ISHA/NABL/MED/007	Calibration of ventilator flow and pressure channels	P2
ISHA/NABL/MED/008	Calibration of anesthesia gas monitors	P2
ISHA/NABL/MED/009	Calibration of electrosurgical units	P2
ISHA/NABL/MED/010	Calibration of incubators and radiant warmers	P2
ISHA/NABL/MED/011	Calibration of oxygen flowmeters	P2
ISHA/NABL/MED/012	Calibration of medical weighing scales	P2
ISHA/NABL/MED/013	Calibration of biomedical temperature probes	P2
ISHA/NABL/MED/014	Calibration of hospital suction regulators	P2
ISHA/NABL/MED/015	Calibration of medical gas pressure gauges	P2
ISHA/NABL/MED/016	Electrical safety analyzer performance checks	P2
ISHA/NABL/MED/017	Medical device calibration risk assessment	P2
ISHA/NABL/MED/018	Medical device calibration report completeness and limits	P2
ISHA/NABL/MED/019	Biomedical calibrator reference-standard maintenance	P2

Applicable standard clauses: 6.5; 7.2; 7.6 • Additional NABL references: See policy crosswalk where applicable

40 ON-SITE, MOBILE & TEMPORARY LABORATORY ACTIVITIES | SITE

ISO/IEC 17025 reference: 6.3; 7.3; 7.4 | Applies to: Conditional: site/mobile testing and calibration | Proposed owner: Site Technical Manager

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/SITE/001	Risk assessment of proposed field test or calibration site	P2
ISHA/NABL/SITE/002	Confirmation of on-site method and scope authorization	P2
ISHA/NABL/SITE/003	Mobilization checklist for field testing team	P2
ISHA/NABL/SITE/004	Packing and transport of reference standards	P2
ISHA/NABL/SITE/005	Verification of field conditions before measurements	P2
ISHA/NABL/SITE/006	Field environmental monitoring and suitability decisions	P2
ISHA/NABL/SITE/007	Control of customer site interference on measurements	P2
ISHA/NABL/SITE/008	Field equipment setup, stabilization and zero checks	P2
ISHA/NABL/SITE/009	Site testing raw data and location traceability	P2
ISHA/NABL/SITE/010	Field safety permit and customer induction	P2
ISHA/NABL/SITE/011	Field test witness coordination and customer liaison	P2
ISHA/NABL/SITE/012	Calibration of customer instrument without removal	P2
ISHA/NABL/SITE/013	On-site sample custody and labeling	P2
ISHA/NABL/SITE/014	Field test equipment return and post-use checks	P2
ISHA/NABL/SITE/015	Management of delayed field report data upload	P2
ISHA/NABL/SITE/016	Control of subcontracted on-site technical work	P2
ISHA/NABL/SITE/017	Temporary laboratory setup and site qualification	P2
ISHA/NABL/SITE/018	Temporary laboratory power supply and environmental controls	P2
ISHA/NABL/SITE/019	Portable instrument intermediate checks before and after use	P2
ISHA/NABL/SITE/020	Field instrument damage or drift impact assessment	P2
ISHA/NABL/SITE/021	Site testing report identification and accreditation claim	P2
ISHA/NABL/SITE/022	Documentation of deviations due to site conditions	P2
ISHA/NABL/SITE/023	Review of onsite measurements and technical records	P2

Applicable standard clauses: 6.3; 7.3; 7.4 • Additional NABL references: See policy crosswalk where applicable

41 REFERENCE MATERIALS, STANDARDS & REAGENT TRACEABILITY | REF

ISO/IEC 17025 reference: 6.4; 6.5; 7.7 | Applies to: All testing/calibration labs as applicable | Proposed owner: Reference Material Custodian

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/REF/001	Selection and procurement of certified reference materials	P1
ISHA/NABL/REF/002	Receipt and acceptance of certified reference materials	P1
ISHA/NABL/REF/003	Review of certified reference material certificates	P1
ISHA/NABL/REF/004	Reference material unique labeling and traceability	P1
ISHA/NABL/REF/005	Reference material storage under manufacturer conditions	P1
ISHA/NABL/REF/006	Aliquoting of reference materials without contamination	P1
ISHA/NABL/REF/007	Preparation and qualification of in-house QC materials	P1
ISHA/NABL/REF/008	Traceability assessment for reference standards	P1
ISHA/NABL/REF/009	Control of reference material opening and expiry dates	P1
ISHA/NABL/REF/010	Reference material use and consumption register	P1
ISHA/NABL/REF/011	Reference material stock reconciliation	P1
ISHA/NABL/REF/012	Verification of working standard purity and potency	P1
ISHA/NABL/REF/013	Preparation of secondary analytical reference standards	P1
ISHA/NABL/REF/014	Periodic requalification of working standards	P1
ISHA/NABL/REF/015	Reference microorganism culture traceability	P1
ISHA/NABL/REF/016	Reference weights cleaning and handling	P1
ISHA/NABL/REF/017	Reference temperature sensors and calibrators storage	P1
ISHA/NABL/REF/018	Replacement of unavailable certified reference materials	P1
ISHA/NABL/REF/019	Control of expired or degraded reference material	P1
ISHA/NABL/REF/020	Handling discrepant reference material performance	P1
ISHA/NABL/REF/021	Selection of reference materials for matrix-matched QC	P1
ISHA/NABL/REF/022	Control of reference standards shared between sites	P1

Applicable standard clauses: 6.4; 6.5; 7.7 • Additional NABL references: See policy crosswalk where applicable

42 PURCHASE, STORES, HR, ADMINISTRATION & SECURITY | ADM

ISO/IEC 17025 reference: 5; 6.2; 6.6 | Applies to: All ISO 17025 laboratories | Proposed owner: Administration / Stores / Purchase

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/ADM/001	Inventory control of general laboratory consumables	P1
ISHA/NABL/ADM/002	Stock receipt, issue and reorder level controls	P1
ISHA/NABL/ADM/003	Segregation of quarantined and released reagents	P1
ISHA/NABL/ADM/004	Cold chain receiving and storage of sensitive supplies	P1
ISHA/NABL/ADM/005	Ordering of personal protective equipment	P1
ISHA/NABL/ADM/006	Procurement of controlled or hazardous laboratory materials	P1
ISHA/NABL/ADM/007	Management of reagent and laboratory chemical expiry dates	P1
ISHA/NABL/ADM/008	Vendor contract expiry and service renewal tracking	P1
ISHA/NABL/ADM/009	Management of staff attendance and shift handover	P1
ISHA/NABL/ADM/010	Authorization and monitoring of overtime technical work	P1
ISHA/NABL/ADM/011	Laboratory visitor registration and escort	P1
ISHA/NABL/ADM/012	Facility access badges and key control	P1
ISHA/NABL/ADM/013	Security of laboratory overnight and weekends	P1
ISHA/NABL/ADM/014	Disposal of obsolete laboratory stationery and records	P1
ISHA/NABL/ADM/015	Courier management for test samples and calibration items	P1
ISHA/NABL/ADM/016	Management of transport arrangements for site calibration	P1
ISHA/NABL/ADM/017	Inventory reconciliation of customer property	P1
ISHA/NABL/ADM/018	Laboratory cleaning contractor supervision	P1
ISHA/NABL/ADM/019	Laboratory utility bill and resource continuity planning	P1
ISHA/NABL/ADM/020	Official correspondence and regulatory communication retention	P1
ISHA/NABL/ADM/021	Control of customer purchase orders and invoices	P1
ISHA/NABL/ADM/022	Administrative response to emergency closure of site	P1

Applicable standard clauses: 5; 6.2; 6.6 • Additional NABL references: See policy crosswalk where applicable

43 ADVANCED BIOANALYTICAL, CELL & MOLECULAR TESTING | ASB

ISO/IEC 17025 reference: 7.2; 7.7 | Applies to: Conditional: biotechnology or molecular testing | Proposed owner: Biological Testing Lead

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/ASB/001	ELISA bioanalytical method operation and plate acceptance	P2
ISHA/NABL/ASB/002	Cell-based potency assay execution and system suitability	P2
ISHA/NABL/ASB/003	Flow cytometer performance verification and bead QC	P2
ISHA/NABL/ASB/004	PCR assay preparation and negative control management	P2
ISHA/NABL/ASB/005	Quantitative PCR calibration curve and Ct threshold evaluation	P2
ISHA/NABL/ASB/006	DNA extraction and sample integrity checks	P2
ISHA/NABL/ASB/007	RNA extraction and RNase contamination control	P2
ISHA/NABL/ASB/008	Nucleic acid purity and concentration testing	P2
ISHA/NABL/ASB/009	Gel electrophoresis preparation and interpretation	P2
ISHA/NABL/ASB/010	Western blot method execution and controls	P2
ISHA/NABL/ASB/011	Protein concentration determination by colorimetric assay	P2
ISHA/NABL/ASB/012	Biological assay reference material qualification	P2
ISHA/NABL/ASB/013	Adventitious microorganism screening where method in scope	P2
ISHA/NABL/ASB/014	Mammalian cell culture contamination control for bioassays	P2
ISHA/NABL/ASB/015	Cell line identity and passage tracking for analytical use	P2
ISHA/NABL/ASB/016	Cell viability assay method verification	P2
ISHA/NABL/ASB/017	Biological assay precision and potency calculation	P2
ISHA/NABL/ASB/018	Plate reader wavelength and fluorescence response verification	P2
ISHA/NABL/ASB/019	Biosafety cabinet aseptic manipulation of assay cultures	P2
ISHA/NABL/ASB/020	Handling biologically hazardous human-derived test items	P2

Applicable standard clauses: 7.2; 7.7 • Additional NABL references: See policy crosswalk where applicable

44 DRUG TESTING LABORATORY - ADDITIONAL CONTROLS | DPT

ISO/IEC 17025 reference: 7.2; 7.4; 7.8 | Applies to: Conditional: contract pharmaceutical lab with drug-testing license | Proposed owner: Pharmaceutical QC / Regulatory

MASTER CODE	PROPOSED CONTROLLED SOP / METHOD TITLE	CLASS
ISHA/NABL/DPT/001	Receipt and handling of statutory drug samples	P2
ISHA/NABL/DPT/002	Handling and reporting of samples from state drug inspectors	P2
ISHA/NABL/DPT/003	Drug testing laboratory permit and authorized technical staff review	P2
ISHA/NABL/DPT/004	Control of pharmacopoeial specification versions	P2
ISHA/NABL/DPT/005	Release of contract testing reports against client specification	P2
ISHA/NABL/DPT/006	Investigation of failed pharmaceutical assay and dissolution results	P2
ISHA/NABL/DPT/007	Controlled retention of pharmaceutical reference substances	P2
ISHA/NABL/DPT/008	Review of pharmaceutical data integrity audit trail evidence	P2
ISHA/NABL/DPT/009	Stability-indicating method suitability and documentation	P2
ISHA/NABL/DPT/010	Sterility test where licensed and within declared scope	P2
ISHA/NABL/DPT/011	Bacterial endotoxin test method suitability	P2
ISHA/NABL/DPT/012	Validation of microbial limit testing in inhibitory matrices	P2
ISHA/NABL/DPT/013	Test method transfer for drug product stability programs	P2
ISHA/NABL/DPT/014	Drug test report wording and limitation of NABL claim	P2
ISHA/NABL/DPT/015	Separation of accreditation scope from regulatory testing approval	P2

Applicable standard clauses: 7.2; 7.4; 7.8 • Additional NABL references: See policy crosswalk where applicable

GLOBAL LABORATORY ACCREDITATION & GxP SERVICES

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CONSULTANCY SUPPORT • ISO/IEC 17025 implementation • NABL assessment readiness • Testing & calibration facility set-up • Laboratory documentation • Method validation • Metrology • Internal audits • Training.

DISCLAIMER: This master list is a planning and document-control reference prepared for project scoping. Accredited scope, regulatory obligations, methods and implementation are approved by the laboratory and competent authorities; consultancy branding does not imply endorsement by NABL, ISO or ILAC.