

Inspection Scope and Sampling Method Statement

1. Project Information

Project Name	ABC Manufacturing Facility Upgrade
Document No.	INS-2024-07-001
Prepared by	QA/QC Department
Date	2024-07-02

2. Scope of Inspection

The scope of this inspection covers the evaluation and verification of raw materials, in-process products, and finished goods at various stages of the production process within the ABC Manufacturing Facility. The purpose is to ensure compliance with specified quality standards, client requirements, and regulatory guidelines.

- Visual examination for physical defects and damages
- Dimensional inspection using calibrated measuring equipment
- Sampling for laboratory testing as required
- Verification of documentation, labeling, and traceability

3. Sampling Methodology

Sampling shall be conducted based on statistical methods to ensure that selected items are representative of the whole batch or lot. The methodology outlined below is consistent with relevant industry standards.

1. **Random Sampling:** Sample units are selected at random from the batch using a random number generator or comparable method.
2. **Sample Size:** The sample size will be determined based on lot size in accordance with the *ISO 2859-1:1999* standard for single sampling plans.
3. **Sampling Frequency:** Sampling will occur at receiving, in-process, and pre-shipment stages as specified in the inspection and test plan (ITP).
4. **Acceptance Criteria:** Acceptance Quality Limit (AQL) will be agreed upon with the client, typically AQL=1.0 for critical defects and AQL=2.5 for major defects.

4. Documentation & Records

All inspection and sampling records will be documented on approved inspection forms and maintained for traceability. Any non-conformances will be recorded and communicated to relevant parties for corrective action.

Important Notes

- Inspection scope and sampling plans may be revised according to project changes or client requirements.
- Always refer to the latest version of applicable standards before selecting the sampling method.
- Ensure inspectors are adequately trained and equipment is calibrated before conducting inspections.
- Proper documentation is critical for traceability and audit purposes.
- Deviations from the approved method statement must be formally approved and documented.