

Quality Assurance Codes

QAC01 – Quality System

The supplier shall maintain a Mindrum-approved Quality System. The quality system should include, but not be limited to: Contract Review; Document and Data Control; Product Identification and Traceability; Process Controls; Control of Inspection, Measuring, and Test Equipment; Inspection and Test Status; Control of Nonconforming Product; Handling, Storage, Packaging, Preservation and Delivery; and Control of Quality Records. Mindrum reserves the right to conduct surveys of the supplier's facilities to determine the adequacy of the Quality System.

QAC02 – Calibration System

The supplier shall maintain a calibration system based on standards traceable to NIST. (A system compliant with ANSI/NCSL Z540 is preferred). Mindrum reserves the right to conduct a survey of the supplier's facilities to determine the adequacy of the calibration system.

QAC03 – Record Retention

Records developed as a result of this order shall be stored and maintained to prevent degradation and damage. Records must be kept for a minimum of seven (7) years, unless otherwise specified, and after reaching their respective storage date retention limit shall be destroyed by shredding or by equivalent methods that renders them completely unusable. The supplier must impose this requirement on their sub tiers as well.

QAC04 – Document Control

The supplier must have a documented procedure for the control and distribution of drawings and/or standards. Obsolete drawings must be destroyed or appropriately identified as such for limited distribution.

QAC05 – First Article Inspection

The supplier shall complete a First Article Inspection (FAI) to all drawing requirements (dimensions and notes). The FAI data shall accompany the first lot of material shipped against this order. The data submitted shall be parametric data to show compliance with drawing requirements. A range of data results and "go/no-go" results (except for pure attribute data) are not acceptable. Product shall be uniquely identified so that the parametric inspection results can be matched with product inspected. The data shall consist of, at a minimum, each variable measured, its tolerance, drawing zone, and the actual measurement for each item.

QAC06 – In-Process Inspection

Product in this order is to be inspected in-process at your facility by a Mindrum Quality representative, at control points stipulated by Mindrum. You must give the Mindrum Buyer three (3) days advance notice for in-process inspection coverage.

QAC07 - Inspection Data

The supplier shall submit 100% parametric data to show compliance with drawing requirements. A range of data results and "go/no-go" results (except for pure attribute data) are not acceptable. Product shall be uniquely identified so that the parametric inspection results can be matched with product inspected. The data shall consist of, as a minimum, each variable measured, its tolerance, drawing zone, and the actual measurement for each item.

QAC08 – Certificate of Compliance (C of C)

The supplier must submit a Certificate of Compliance (C of C), in the supplier's own format, to certify that the materials and processes used in the product supplied on this order meet all drawing, specification, and contract requirements. Assuming applicability, the C of C must include the following at a minimum:

- Supplier name and address
- Mindrum purchase order number
- Part number and revision level
- Quantity
- Certifying signature, title, and date

QAC09 – Certificate of Analysis (C of A)

The supplier must submit a Certificate of Analysis (C of A) to certify that the material supplied on this order meets all the specification requirements. Assuming applicability, the C of A must include the following at a minimum:

- Supplier name and address
- Material composition
- Lot, batch, heat or melt number(s)
- Chemical analysis of composition by percentage
- Mechanical properties
- Certifying signature, title, and date

QAC10 – Process Certifications

The supplier shall provide certifications for all specified processes used in the manufacture of this product. Assuming applicability, the certifications must include the following at a minimum:

- Supplier name and address
- Part number and revision level
- Process specifications or standards
- Furnace time and temperature charts
- Certifying signature, title, and date

QAC11 – Nonconforming Product with Mindrum-Supplied Material

The supplier shall notify Mindrum immediately on all reports of non-conformances for Mindrum-supplied material. All material must be returned to Mindrum and must be clearly identified to segregate it from conforming material.

QAC12 – RoHS Compliance

This order must comply with the Restriction of Hazardous Substances Directive (RoHS) which restricts the use of the following six hazardous materials in the manufacture in this product:

- Lead (Pb)
- Mercury (Hg)
- Cadmium (Cd)
- Hexavalent chromium (Cr⁶⁺)
- Polybrominated biphenyls (PBB)
- Polybrominated diphenyl ether (PBDE)

QAC13 – Electrostatic Sensitivity

This order contains product that is electrostatic sensitive. The supplier must assure that product is packaged and identified to provide adequate electrostatic protection.

QAC14 – Right of Access

During performance of this order, the supplier's quality system, inspection system and manufacturing processes are subject to review, verification, and analysis. The supplier shall be notified of any such actions in advance by Mindrum.

QAC15 – Supplier False and Fraudulent Requirements

Seller shall include the following statement preprinted on each Certificate of Conformance initiated by the Seller and provided to the Buyer in connection with this purchase order:

“NOTE: The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a felony under Federal Statute.”

QAC16 – Mercury Free Statement

A mercury free statement shall accompany all shipments on this purchase order. The mercury free statement may be made directly on all of the test report/certificate of conformance or may be a separate certification. The statement shall certify that during the manufacturing process, material furnished on the above purchase order did not come in contact with mercury or its compounds or any mercury containing devices with a single boundary of containment.