

NRL & Associates, Inc.
QUALITY ASSURANCE REQUIREMENTS
(See Purchase Order for Applicability)

DEFINITIONS

- (1) PURCHASER shall mean NRL & Associates Inc.
- (2) SELLER shall mean the person, firm, or corporation furnishing products to NRL & Associates Inc.

QA-1. CERTIFICATE OF COMPLIANCE

The seller shall furnish with each shipment a Certificate of Compliance. As a minimum the Certificate of Conformance must contain, as applicable, the Purchase order number, part/drawing or specification number, revision level, and quantity shipped, and a statement similar to the following:

This is to certify that all items ordered and contained in each shipment meet all drawings, specifications, and other applicable documents as cited in the NRL purchase order.

An authorized representative of the seller shall sign this certificate.

QA-2. TEST REPORT/CERTIFICATE OF ANALYSIS

With each shipment, the seller shall furnish NRL a certification of actual physical and/or chemical analysis for each lot, batch, or heat. Test reports and/or Certificate of Analysis shall include as applicable:

- (1) NRL purchase order number.
- (2) Drawings and specification number.
- (3) Serial/lot numbers.
- (4) Actual test results reflecting acceptability and/or chemical analysis.
- (5) Name and address of the company that performed the test or analysis.
- (6) Date, signature and title of certifying company official.

QA-3. INSPECTION AND/OR TEST REPORTS

With each shipment, the seller shall provide the NRL with certified reports of inspections and/or tests to verify the quality of the product(s) to be delivered. At a minimum, these reports shall include the following data, as applicable to the product:

- A Dimensional and physical inspection reports referencing the NRL purchase order number, supplier's name and address, part number, part name, serial number and date. Where variables data is involved, the actual numerical results obtained shall be indicated in addition to criteria for acceptance/rejection

- B. Raw material used in purchased articles – The seller shall supply records of chemical and physical test reports on all raw materials required for the manufacture of articles procured on the purchase order.

QA-4 FIRST PIECE INSPECTION

When first-piece inspection is required, the supplier must inspect and have NRL approval of the first manufactured piece according to the NRL purchase order and drawing specification *before* production begins. The submitted article should include all necessary data as required by NRL. This includes radiographic film, chemical and/or physical test reports, dimensional inspection data sheets, etc.

QA-5 INSPECTION DATA

With each shipment the seller shall furnish NRL with the inspection and/or test data as indicated on the attached inspection data sheet(s) or as agreed to in prior negotiations with the buyer.

QA-6 DRAWING AND CATALOG DATES

- A. The seller warrants that no changes, deviations, repairs, an/or modifications will be made to the articles hereon, from the date of the drawings or catalogs to the date of the final shipment against the NRL purchase order.
- B. If purchased articles have been changed in any way since the dates of the drawings and/or catalogs as shown on the hereon note the changes and include the latest drawings and/or catalogs with your quote.

QA-7 CASTINGS

With the shipment, the seller shall furnish NRL with a certificate of compliance stating that the castings, as applicable, have had the following inspection and tests:

- (1) Dimensional inspection
- (2) Hardness check
- (3) Penetrant inspection
- (4) Magnetic particle inspection
- (5) Ultrasonic inspection
- (6) Pressure test

Seller shall also include the following with each shipment:

- (1) Actual chemical analysis or, a statement that the chemistry meets specification and the test reports are on file subject to examination by NRL.
- (2) Radiographic film for each item shipped if radiographic inspection is required.
- (3) Actual mechanical properties from a separate test coupon of the lot.

QA-8 NRL SOURCE INSPECTION

- A. NRL will inspect the materials submitted in the performance of the NRL purchase order at the seller's facility. The supplier will notify NRL when the items are ready for inspection; or, if practical, ten (10) days in advance.
- B. NRL reserves the right to inspect all materials under this purchase order at the seller's facility. When the material is ready for inspection, the seller shall notify the purchaser to determine whether or not NRL desires to exercise this option.
- C. In-process inspection: Materials covered by the NRL purchase order are subject to in-process inspection by a NRL quality assurance representative. The seller shall notify the cognizant buyer in time to permit the NRL to inspect the material during fabrication or assembly.

QA-9 GOVERNMENT SOURCE INSPECTION

- A. The articles on this purchase order are subject to government source inspection at source. A copy of this purchase order must be furnished immediately to the government inspector who normally services your plant. When material is ready for inspection, or, if practicable, ten (10) days in advance thereof, notify the government inspector, or office. If the inspector or office cannot be located, notify the purchaser immediately.
- B. The government and NRL reserve the right to appraise your facilities and operations to determine compliance with applicable product assurance requirements.

QA-10 CRITICAL AND LIMITED-LIFE ITEMS

Materials or articles having characteristics susceptible to quality degradation with age shall be either marked or accompanied with a statement indicating when the critical life was initiated or when the useful life will expire. If limited life is not a characteristic of the material, a statement to this effect must accompany the material.

QA-11 REPORT OF DISCREPANCY

All departures from drawings, specifications, or other purchase order requirements must be reported to NRL & Associates for approval prior to shipment.

QA-12 RESUBMISSION OF REJECTED MATERIAL

All items rejected by the NRL and subsequently resubmitted by the seller shall bear adequate indication of such resubmission. This must be done either on the items or on shipping document. Reference shall be made to the purchaser's rejection report and evidence given that the causes for rejection have been corrected.

QA-13 QUALITY/INSPECTION SYSTEM

The seller's quality system shall conform to the requirements of:

- A. ISO 9000 – 9004
- B. MIL-Q-9858A
- C. MIL-I-45208
- D. The seller shall maintain an inspection system acceptable to NRL & Associates Inc. covering supplies and services under this order.

QA-14 QUALITY ASSURANCE PLAN

The seller shall provide a quality control plan for review by the purchaser. The plan shall include provision for inspection data sheets, test reports, and instructions pertinent to the performance of the inspections and/or tests. Production shall not commence until the purchaser has reviewed and approved the plan.

QA-15 SPECIAL PROCESSES

When required by the process specification, each process, including cleaning, finishing, X-ray, welding, magnetic particle and penetrant inspection, heat treating, plating, etc. shall have NRL's approval and certification of operating personnel. The approval or certification shall be obtained prior to either manufacture or delivery of the articles defined in the purchase order.

QA-16 DFARS 252.225-7014 PREFERENCE FOR DOMESTIC SPECIALTY METALS AND ALT 1

This purchase order incorporates clause DFARS 252.225-7014 Alt 1. Any specialty metals (as defined in paragraph (A) of the clause) included in any articles delivered under this purchase order must comply with that clause.

January,17 2007

QA-17 NRL RECEIVING INSPECTION REQUIRED

Upon receipt of items purchased on this purchase order, a representative sample of those items must be forwarded to the NRL quality department for verification.

QA-18 Restriction of Hazardous Substances (RoHS) COMPLIANCE

Vendors will certify that items, or any component incorporated into that item, delivered under this purchase order do not contain any of the six banned substances: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE), in quantities exceeding maximum concentration values as outlined in **the RoHS (2002/95/EC)**. **Furthermore vendors must state “RoHS compliant” on their certifications supplied to NRL.**

QA-19 LATEX FREE

Vendors will certify that items, or any component incorporated into that item, delivered under this purchase order does not contain any Latex. **Vendors must state “Latex Free” on their certifications supplied to NRL.**

QA-20 Raw Material Country of Origin Requirement

All metal raw materials or metal alloys must be melted in the United States or a Qualifying Country defined under DFARS 225.003(10). This applies to all metals – not only to those specified as a specialty metal. Country of Origin must be stated on Material Certificate of Compliance.

QA-21 DFARS 252.225-7008 Restriction on Acquisition of Specialty Metals

This purchase order incorporates clause DFARS 252.225-7008. Any specialty metals (as defined in paragraph (A) of the clause) included in any articles delivered under this purchase order must comply with that clause.