

**Pacific Scientific Company, Electro Kinetics Division**  
**Quality Assurance Provisions List**

1. During the execution of this order, the vendor shall establish and maintain a Quality Control System that complies with the following:
  - 1A SYSTEM -A-. This system satisfies the essential requirements of MIL-Q-9858A, Quality Program Requirements.
  - 1B SYSTEM -B-. This system satisfies the essential requirements of MIL-I-45208A, Inspection System Requirements, and will include a system for raw material control, storage and identification.
  - 1C SYSTEM -C-. This system satisfies the essential requirements of ISO 10012, Quality Assurance Requirements for Measuring Equipment and will include:
  - 1D SYSTEM -D-. No formal system required. Catalog and QPL purchases only.
- 2 Heat Treat Report - Each shipment shall be accompanied by a reproducible copy of the detail parameters used in the heat treat cycle, with specification and revision letter.
- 3 The vendor shall furnish a certification containing a description of special processes and/or tests performed, material certifications with chemical analysis, and actual test results as required by the specification for the items indicated below. Certifications shall accompany each shipment of material to PS/EKD and be identified as to PS/EKD purchase order number, part number and revision, specification number and revision, serial numbers (if applicable) and quantity represented. Incomplete or inadequate statements of conformance or certification is cause for rejection.
  - 3A The vendor shall furnish certifications describing special processes and/or test certifications to applicable specifications and revisions, by facilities performing the processes or tests.
  - 3B The vendor shall furnish original manufacturer raw material certifications to applicable specifications and revisions, including chemical analysis and actual values recorded. Independent laboratory reports are acceptable.
  - 3C The vendor shall furnish original manufacturer material certifications to applicable specifications and revisions.
  - 3D The vendor shall furnish a statement that parts were manufactured using specified material, certifications on file, available on request.
- 4 Supplier shall furnish information for materials supplied against this order which relates to the shelf life, storage and handling of perishable materials, etc., and for other materials which require precautionary safety instructions, as follows : 1). Material storage life (including date of manufacture) for perishable materials, rubber and synthetic rubber materials and such finished items as hoses and "O" rings, etc., 2). Material storage

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temperature (recommended by manufacturer), 3). Material hazards - flammable, non-flammable, toxicity, etc. No more than 1/3 of the material storage life shall be expired at time of receipt at PS/EKD. 4). MSDS (Material Safety Data Sheet) required with each shipment of material.

5 The seller is responsible for compliance with all specifications referenced on the purchase order and/or drawings and shall maintain, subject to PS/EKD Quality Assurance review, adequate quality control records to indicate objective evidence of his compliance. Furthermore, the seller is responsible for specification compliance by all of his subcontractors and must contractually require that such subcontractors maintain evidence of their compliance for a period of seven (7) years or as required by Purchase Order.

6 A Certificate of Conformance shall be furnished stating that materials meet all purchase order and/or applicable specification requirements with each shipment. The statement shall be signed or marked with a controlled stamp by a representative of the Quality Department and include the signee's title (distributor C of C's shall be signed by an authorized representative of the seller). The C of C shall be identified as to the PS/EKD purchase order number, the part number, revision, serial-numbers (if applicable) and quantity represented.

7 All articles not in strict conformance with drawings, specifications and/or contractual requirements shall be handled in accordance with PS/EKD Material Review Procedures. When MRB authority is not specifically delegated to the seller, the seller shall request a copy of the PS/EKD Material Rejection Report form EK-1000 for completion by the seller and include the following: 1) Nature of the discrepancy. 2) Cause. and 3) Corrective Action. The completed MRR shall be forwarded to PS/EKD MRB for disposition and approval prior to the shipment of articles to PS/EKD.

8 The seller shall furnish buyer upon solicitation, corrective action reports on the buyer's form EK-1000 on all discrepancies which occur during Receiving Inspection acceptance at the buyer's facilities. Reports shall as a minimum include cause of discrepancy, correction taken to remove discrepancy, and action taken to prevent recurrence on all future shipments. Such reports shall be submitted to PS/EKD Quality Assurance within two weeks of supplier's receipt of request for corrective action.

9 First Article Inspection--Inspection and acceptance by seller of a first article manufactured against this purchase order is a requirement if one of the following conditions apply: First time producer of this item, 3 years since last acceptable first article, blueprint revision since last acceptable first article, or previous first article was rejected. The first article report shall as a minimum include the part number, purchase order number, and shipper document number. All applicable drawings or specification physical and functional characteristics shall be noted with tolerance and actual measurement which demonstrates compliance with all specification requirements. A tagged first article and report shall be submitted to PS/EKD Quality Assurance for inspection and approval.

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- 10 Sampling Inspection per MIL-STD-105E may be used.
- 11 The supplies on this order are subject to PS/EKD Source Inspection. When material is ready for inspection, notify PS/EKD forty-eight (48) hours in advance. PS/EKD Source Inspection does not relieve the supplier of any of the requirements of this purchase order nor the responsibility of rework or replacement of material found to be defective during normal acceptance procedures upon receipt at PSCo. Electro Kinetics.
- 12 Government Inspection is required prior to shipment from your plant. Upon receipt of this order, promptly notify the government representative who normally services your plant so that appropriate planning for government inspection can be accomplished.
- 13 The supplier's gages, measuring and testing devices shall be made available at the supplier's facility for use by the PS/EKD Source Inspector when required to determine conformance to contract requirements. If conditions warrant, supplier's personnel shall be made available for operation of such devices and for verification of their accuracy and condition.
- 14 Special Processes required in the manufacture of an item shall only be accomplished by PS/EKD approved sources.
- 15 Electronic Components or devices will be subject to rejection (and prioritized replacement by the supplier) if deficient in any of the following respects; inadequate marking: date code or retest date older than 36 months: lead solderability substandard: physical damage/deformation: inadequate protective packaging; mechanical/electrical non-conformity; and if JAN-branded, for noncompliance with certification/traceability requirements of MIL-S-19500 or MIL-M-38510 (Ref:DLAM 8200.2): ESD Packaging not in accordance with the requirements of MIL-STD-1686.
- 16 During performance on this order, your quality control or inspection system and manufacturing processes are subject to review, verification, and analysis by authorized government representatives, including government sampling of lot traceability documentation when required. Government release of shipment is not required unless otherwise notified.
- 17 During performance on this order your control of lot traceability documentation and your inventory control for JAN-branded electronic components are subject to review, validation, and verification by an authorized government representative. Government release of shipment is not required unless you are otherwise notified.
- 18 Supplier certifies that all product manufactured in accordance with this purchase order was processed in a mercury-free environment.
- 19 Item must be procured from a QPL source identified on the QPL list for the referenced specification.

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20 Special Provisions: Any special provisions will be listed on the Purchase Order.