

# QA Clauses / Purchase Order Requirements

## STANDARD QUALITY NOTES (Q1-Q15)

### Applicable to all purchase orders

**Q1-Quality Systems** The Supplier shall maintain a Quality System, which conforms to the requirements of: 1. ISO9001; 2. ISO9002; 3. AS9100 or 4. AS9120

**Q2-Certification** Manufacturer's certification is required certifying compliance with all drawings/specification requirements. This certification must be signed by an authorized agent of the supplier. The certification shall reference the applicable purchase order number, part number, serial/lot numbers, quantity and drawing/specification revision level and shall accompany each shipment.

**Q3-Material Review Board** Material Review Board authority is not delegated; nonconforming suppliers require Celltron waiver/documentation prior to shipment.

**Q4-Changes/Substitutions** Process and/or product changes affecting form, fit, or function, must be submitted to buyer for approval. Substitutions to the part number specified on the purchase order or engineering drawing will not be accepted without prior written authorization.

**Q5-Inspection/Test Records** Seller shall keep applicable inspection and test records available for seven (7) years unless otherwise specified.

**Q6-Shelf Life** Items having a shelf life must be so identified. Pertinent shelf life (expiration date, etc.) must be included with the material. A minimum of 75% shelf life must be remaining upon receipt of material at Celltron and may be cause for rejection if less than 75%.

**Q7-Packaging** 1. Commercial packaging is normally acceptable for shipment to Celltron; Seller is responsible for selecting packaging method and material which provide adequate protection at minimum cost. Packaging methods and material selected should consider as a minimum; fragility, part composition, surface finish, size, weight and transportation mode; 2. Packaging specified or referenced in this contract must be adhered to unless written deviation is authorized by Celltron; 3. Non-conforming packaging is subject to rejection or repackaging at Seller's expense; 4. Each contract item must be packaged and identified separately. Markings on primary packaging must include the part number, nomenclature and quantity. If applicable, include serial number, lot number and cure date; 5. DO NOT combine items from different Purchase Orders in the same shipping container.

**Q8-Shipments** 1. Celltron part numbers and PO numbers be referenced on all shipping and invoice documents; 2. Balances due to partial shipment may be rescheduled or canceled without recourse.

**Q9-Supplier Performance / Delivery Schedule** 1. Purchase order delivery dates are delivery dates at Celltron. The acceptable delivery window is ten (10) business days before on-dock date and up to two (2) days after on-dock date; 2. Items delivered more than fifteen (15) days prior to the purchase order item delivery schedule may at Celltron's discretion be returned to Seller. Seller will be charged shipping costs and Celltron's handling cost for returning the shipment.

**Q10-Finishes and Terminations** Supplier is to notify Celltron when any change in product or part number is made or planned which would incorporate lead (Pb)-free finish or lead (Pb)-free solders. If alternate/replacement part is available, supplier should provide information at this time.

**Q11-Conflict Minerals** Celltron requires all products supplied against this purchase order to be in compliance with the Frank-Dodd Act, formally known as Public Law 111-203, H.R. 4173 Section 1502. Suppliers may be required to complete and submit Conflict Minerals Reporting Template (CMRT), latest revision, on an annual basis.

**Q12-Product Compliance** Per EU direction, Celltron requires notification as to whether products supplied against this purchase order are in compliance with RoHS (Restriction of Hazardous Substances, Directive 2002/95/EC), and REACH (Registration, Evaluation, Authorisation and Restriction of Chemical Substances, EC 1907/2006). Please note either compliance or non-compliance with same (or "not applicable") on your packing slip(s).

**Q13-ESD** Electrostatic sensitive devices must be processed, protected and identified in accordance with ANSI.S20.20, MIL-STD-1686 or DOD-HDBK-263.

**Q14-Calibration System** The supplier shall maintain a calibration system which conforms to the requirements of ANSI/NCSL Z540-1

**Q15-Solderability** wire, cable and solderable components must meet solderability requirements per ANSI-J-STD-002.

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### **NON-STANDARD QUALITY NOTES (Q16-Q27)** **Applicable when listed on the purchase order**

**Q16-Certification of Special Processes** The Supplier shall furnish a copy of a Certificate of Conformance for Special Processes. Supplier shall utilize NADCAP Certified Suppliers only. Special processes are specifically identified as the following: plating – cadmium, copper, gold, nickel, silver, tin, tin lead, zinc and zinc phosphorus; anodic coatings - aluminum, titanium; liquid oxygen cleaning; dye penetrant; radiography; magnetic particle examination; heat treatment; soldering; welding – fusion, electron beam and spot; brazing – vacuum & dip braze, torch & nickel. Other processes not identified herein are defined as standard processes and are not subject to NADCAP approval requirement unless otherwise specified.

Supplier shall certify process equipment, procedure and personnel as indicated in the applicable specifications and standards. Special processes that are subcontracted by the Supplier shall be approved and certified by the Supplier for process specification compliance, subject to Celltron review and approval.

Celltron reserves the right to perform periodic assessments for any special processes identified in the purchase order or specification. These reviews are intended to ensure suppliers are performing processes to their internal procedures and requirements.

**Q17-Quality System Approval** 1. The supplier's quality system will require Celltron Quality Assurance approval prior to receipt of material; 2. The supplier's Quality System is subject to an annual written or on-site audit conducted by Celltron Quality Assurance or its designated representative.

**Q18-Government Inspection** Government inspection is required prior to shipment from your plant. Upon receipt of this order promptly furnish a copy to the Government representative who normally services your plant, or if none, to the nearest Army, Navy, Air Force or Defense Supply Agency Inspection Office. In the event the representative or office cannot be located, our buyer should be notified immediately. Shipping documents must show evidence of GSI.

**Q19-Customer Source Inspection** 1. Celltron precap inspection is required; 2. Celltron final source inspection is required. Note: Notify Celltron Procurement a minimum of 5 working days prior to date of inspection availability. Notification shall reference Celltron P.O. number, quantity for inspection, inspection type and buyers name. Evidence of Celltron Source Inspection shall accompany material shipped.

**Q20-First Piece Inspection** A first piece sample will be sent by the vendor to be evaluated by Celltron for compliance with the drawings and/or specifications. Upon approval of the first piece sample, shipment of production units will be authorized by Celltron.

**Q21-Soldering** shall be performed per ANSI-J-STD-001 Class 3

**Q22-Marking Permanency** Each part must meet solvent resistance requirements per: 1. MIL-STD-883, Method 2015; 2. MIL-STD-202, Method 215; 3. Unless specific test methods for marking are stipulated in the procurement document, parts shall be tested in accordance with MIL-STD-202, Method 215.

**Q23-Physical and Chemical Analysis** Two (2) copies of: 1. Physical analysis traceable to delivered lots shall accompany shipment. 2. Chemical analysis traceable to delivered lots shall accompany shipment.

**Q24-Hazardous Material** All material to be shipped under this purchase must have a supplier certification statement as to whether the items supplied contain, or do not contain, or were manufactured with, or were not manufactured with, ozone depleting substances. One of the following statements must appear on the shipping documents (bill of lading, manifest, or invoice, etc.) Negative: The seller certifies these goods are not manufactured with and do not contain any ozone depleting substances. Positive: The seller certifies these goods are in compliance with the ozone depleting substances labeling requirements under US law.

**Q25-Mercury Contamination** The supplier shall assure that there is no mercury contamination contained on the product delivered on the purchase order.

**Q26-MSDS** Should a Material Safety Data Sheet (MSDS) exist for the product(s) on this order, a copy must be submitted to the buyer.

**Q27-Approved Suppliers List (ASL)** When imposed, the Supplier may only utilize the special processors listed or noted in the purchase order.