

# Mindrum Precision, Inc. Quality Assurance Codes

Quality Code	Title	Requirement
QA01	Quality System	<i>Supplier shall establish and maintain a Quality System acceptable to Mindrum Precision, Inc. for the goods and/or services purchased under this purchase order.</i>
QA02	NADCAP Approval	<i>Special processing NADCAP approval is required. The special process requirements will be listed on the actual purchase order.</i>
QA03	Mill Test Reports	<p><i>Supplier shall submit Chemical and Physical test reports in accordance with the latest material specifications and revision. All reports supplied must be legible. The mill test reports shall contain the following information:</i></p> <ul style="list-style-type: none"> <li>• <i>Mill's letterhead</i></li> <li>• <i>The signature, name and title of the company representative</i></li> <li>• <i>The mill test report shall certify to the material specification and revision required by the Purchase Order</i></li> </ul> <p><i>Distributors must provide a certification verifying the materials traceability to the Mill test reports when supplied. Assuming applicability, the C of C must include the following at a minimum:</i></p> <ul style="list-style-type: none"> <li>• <i>Supplier name and address</i></li> <li>• <i>Mindrum purchase order number</i></li> <li>• <i>Part number and revision level</i></li> <li>• <i>Lot, batch, heat or melt number(s)</i></li> <li>• <i>Certifying signature, title, and date</i></li> </ul>
QA04	Sub-Contractor Flow Down	<i>Supplier is required to flow down the requirements of this purchase order, including terms and conditions to the Supplier's subcontractors. Flow down of key characteristics is required when specified on the face of purchase order. Supplier is to notify Mindrum Precision, Inc. of changes in product and/or process, changes of suppliers, changes of manufacturing facility location and, where required, obtain organization approval within 24 hours.</i>
QA05	Record Retention and Disposition	<i>As a minimum, the Supplier is to retain documented information for at least 11 years from the date of shipment under each applicable order for all products/part numbers unless otherwise specified in the order. In special circumstances, the purchase order will identify the actual required number of years that the documented information should be maintained. After the minimum retention period is achieved, suppliers may disposition the documented information as archive or destroy at their discretion.</i>

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<b>QA06</b>	<b>Calibration</b>	<i>The Supplier's equipment shall be calibrated in accordance NIST standard (ISO 17025/ISO 10012-1/ANSI Z540-1) traceable to national or international measurement standards.</i>
<b>QA07</b>	<b>Mindrum Precision, Inc. Furnished Property</b>	<i>Supplier is to return all furnished property to Mindrum Precision, Inc. at the completion of the purchase order. Furnished property may include but not be limited to the following: drawings, mylars, process specification, tooling, fixtures, and excess raw material.</i>
<b>QA08</b>	<b>Parts Identification</b>	<i>The Supplier is to identify parts in accordance with purchase order requirements.</i>
<b>QA09</b>	<b>Nonconformance/Corrective Action</b>	<i>The Supplier is to notify Mindrum Precision, Inc. of a Nonconformance prior to shipping parts. In addition, the Supplier will maintain a system of handling non-conformances and corrective actions.</i>
<b>QA10</b>	<b>Dimensional Inspection Report</b>	<i>The Supplier is to document an actual dimensional inspection report and submit it to Mindrum Precision, Inc. at the completion of the purchase order.</i>
<b>QA11</b>	<b>First Article Inspection</b>	<i>The Supplier to submit a First Article per AS9102 with this purchase order. The FAI data shall accompany the first lot of material shipped against this order. 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, all process specifications, each variable measured, its tolerance, drawing zone, and the actual measurement for each item.</i>
<b>QA12</b>	<b>Packaging Protection</b>	<i>Supplier to package parts in a manner that will protect parts from any kind of damage. No metal to metal contact is ever allowed. In special circumstances, the purchase order may specify the manner the parts are to be packaged.</i>
<b>QA13</b>	<b>Certificate of Conformance</b>	<p><i>A certification is required, stating that all the products or services meet the contractual or purchase order requirements. Assuming applicability, the C of C must include the following at a minimum:</i></p> <ul style="list-style-type: none"> <li><i>• Supplier name and address</i></li> <li><i>• Mindrum purchase order number</i></li> <li><i>• Part number and revision level</i></li> <li><i>• Quantity</i></li> <li><i>• Applicable process specifications, including up to date revision level</i></li> <li><i>• Certifying signature, title, and date</i></li> </ul>
<b>QA14</b>	<b>BUY AMERICA ACT</b>	<i>Items procured under this purchase order must be compliant with DFAR 252.225-7000 and from domestic</i>

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		<i>sources.</i>
<b>QA15</b>	<b>Right of Entry</b>	<i>Mindrum Precision, Inc., our customers, and/or any applicable regulatory authority reserve the right to access the supplier's applicable areas of all facilities, at any level of the supply chain, involved in the order and to all applicable records. Reason for access may include inspection of the item on order, status of the item, or reviewing quality records pertaining to the purchase order in question.</i>
<b>QA16</b>	<b>QMS Awareness</b>	<p><i>Suppliers Personnel must be made aware of:</i></p> <ul style="list-style-type: none"> <li>• <i>their contribution to product or service conformity;</i></li> <li>• <i>their contribution to product safety;</i></li> <li>• <i>the importance of ethical behavior.</i></li> </ul>
<b>QA17</b>	<b>Counterfeit Prevention</b>	<i>Suppliers must have a process in place to prevention the use of counterfeit parts/materials.</i>
<b>QA18</b>	<b>Control &amp; Monitoring Requirements</b>	<i>Suppliers must maintain a Quality Level ≥95% and an OTD level ≥95%. If levels drop below target, supplier will be notified and may be placed on conditional status or disapproved if not corrected.</i>
<b>QA19</b>	<b>FOD</b>	<i>Suppliers shall ensure the Foreign Object Debris/Damage (FOD) if any, is removed before the shipment wherever applicable will flow down this requirement to its sub-tier suppliers</i>
<b>QA20</b>	<b>ITAR</b>	<i>The data attached/enclosed may contain information (including technology and technical data) which is subject to the U.S. International Traffic in Arms Regulations (ITAR) or Export Administration Regulations (EAR). This information may not be exported, released, or disclosed to foreign persons either inside or outside the United States without first obtaining the proper U.S. export license or written authorization. In addition, the information and articles described herein are either patented or proprietary, and the copying or reproduction thereof is prohibited without Mindrum Precision, Inc. prior written consent.</i>
<b>QA21</b>	<b>RoHS</b>	<p><i>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:</i></p> <ul style="list-style-type: none"> <li>• <i>Lead (Pb)</i></li> <li>• <i>Mercury (Hg)</i></li> <li>• <i>Cadmium (Cd)</i></li> <li>• <i>Hexavalent chromium (Cr<sup>6+</sup>)</i></li> <li>• <i><u>Polybrominated biphenyls (PBB)</u></i></li> </ul>

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		<i>Polybrominated diphenyl ether (PBDE)</i>
<b>QA22</b>	<b><i>Electrostatic Sensitivity</i></b>	<b><i>This order contains product that is electrostatic sensitive. The supplier must assure that product is packaged and identified to provide adequate electrostatic protection.</i></b>
<b>QA23</b>	<b><i>Supplier False and Fraudulent Requirements</i></b>	<b><i>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."</i></b>
<b>QA24</b>	<b><i>Mercury Free Statement</i></b>	<b><i>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.</i></b>
<b>QA25</b>	<b><i>One Lot / Heat Number</i></b>	<b><i>Supplier to provide each purchase order line item from one lot/heat number. In the event that this is not possible, notify Mindrum Precision's Purchasing Department immediately.</i></b>
<b>QA26</b>	<b><i>Manned Space Flight</i></b>	<b><i>For use in human space flight; materials, manufacturing, and workmanship of highest quality standards are essential to astronaut safety. If the supplier is to supply the purchased item with a higher quality than that of the items specified or proposed, then it is requested to bring this fact to the immediate attention of the buyer. This clause will be inserted in all subcontracts and purchase orders for such items down to the lowest tier.</i></b>
<b>QA27</b>	<b><i>Current Revision of Specification</i></b>	<b><i>Suppliers shall certify work to current revision of the specification.</i></b>