



### **Product Assurance Clauses**

All articles furnished to Universal Alloy Corporation are subject to the inspection clause of the general provisions of the purchase order and the following special quality clauses when so indicated by clause number(s) on the purchase order. Quality clauses to be available on UAC web site.

The following Quality/Metallurgy clauses are to be placed on the purchase order as applicable by either Purchasing Agent or designee. Should any questions arise. Quality/Metallurgy must be contacted to ascertain if any particular clause is applicable.

**QM2 Inspection Report** Inspection report must include all characteristics within the documents provided by UAC including; dimensions and test results as applicable. Inspection report must state required and actual dimensions.

**QM3 First Article Approval** One sample part of the first lot is required from the contractor and must be approved by UAC Quality/Metallurgical department prior to initiating the production run. Arrangements shall be made with UAC prior to completion of the first article to determine the logistic of UAC approval of the first article.

**QM4 Test Reports and/or Certification of Conformance** Test reports / Certification of Conformance are required in this order and must include the following minimum information:

Supplier name and address.

UAC purchase order number.

UAC lot number.

Part Number.

Name of process or test performed.

Process or test specification, revision letter, type, class, method, etc., as applicable.

Quantity of material accepted and/or rejected if applicable.

Test results as applicable.

**QM5 Process / Inspection Approval (Fix Process)** Parts must be manufactured to a procedure / inspection plan approved by UAC.

**QM10 Calibration Control** Calibration must be performed to ISO 10012, Z540, ISO 17025 or the equivalent specification. Certificate of Calibration required. Subcontractors shall include reporting of "out of tolerance" condition.

**QM11 Aluminum Billet Procurements Specification** The cast, ingot product must be produced in accordance with the requirement of UACOP 3001. This procurement document shall be certified on the supplier certificate of conformance document.

**QM12 Applicable Specifications as defined below**

SPECIFICATION(s)	APPLICABLE TO
Manufactures Specification and ASTM E317, Mil-Std 2154 Dev Jan 1988, BSS 7055, BSS 7052, BAC 5439, PS21211J, DPS 4.713, ASTM B 594	Calibration of UT Equipment
AMS 2750	Calibration & Purchase of Temperature Devices Controlled by AMS 2772 & AMS 2750
AMS 3025	Purchase of Quenchant Additives
ASTM E18 (Rockwell Tester)	Calibration of Hardness Testers
ASTM E 127 (Portable Testing Equipment)	Calibration of NDT Standards
ASTM E 83	Calibration of Extensometers
ASTM E 1012, AC7101/3	Calibration of Tensile Test Equipment
Aluminum Association Alloy Limits	Standardizing Standards for Spectrograph Equip
Manufacturer Specifications	Cleaning/Service of Microscopes
ANSI/NCSL Z540-1	Calibration of Surface Plates and I-Beams
ANSI/NCSL Z540-1	Calibration of Conductivity Meters and EC Standard Blocks
ANSI/NCSL Z540-1	Calibration of Optical Comparitor
ANSI/NCSL Z540-1	Calibration and service of Micro-Vu Inspection Equipment
ANSI/NCSL Z540-1	Calibration Service when not otherwise specified on Purchase Order

## **TERMS AND CONDITIONS:**

**Universal Alloy Corporation Acceptance at Destination.** Articles ordered on this contract are subject to final acceptance at destination.

**Variation In Quantity.** No variation in quantity of items ordered, unless otherwise specified on this order, will be accepted and paid for.

**Warranties.** The seller warrants that all articles or materials delivered hereunder shall be free from defects of material or workmanship, and guarantees all parts furnished will conform to specifications and/or drawings. The warranties of the Seller together with its service warranties and guarantees, if any, shall run to Buyer and/or its customers.

**Termination for Cause or for Convenience of Buyer.** Buyer reserves the right to terminate this order if not filled in accordance with delivery schedule and specifications. In the event of any suspension of payment or the institution of any proceedings by or against either party, voluntary or involuntary, in bankruptcy or insolvency, or under the provisions of the United States Bankruptcy act, as amended, or for the appointment of a receiver or trustee or an assignee for the benefit of creditors of either party, or in the event of a breach of any of the terms hereof, including warranties of Seller, the other party shall be entitled to terminate this order forthwith.

**Compliance with Laws – Seller.** Seller agrees on accepting this order that the same is subject to and that Seller has complied with or will comply with all applicable local, State, and Federal laws, regulations, and executive orders as to labor, origin and procurement of material, national security, fixation of prices, profit limitation, price renegotiation, and price predetermination.

**Non-discrimination.** In connection with the performance of work under this order, the Contractor agrees not to discriminate against any employee or applicant for employment because of race, creed, color or national origin: and further agrees to insert the foregoing provision in all subcontracts hereunder except subcontracts for standard commercial supplies of for raw materials. (Not applicable if order is for standard commercial supplies or for raw materials.)

**Right of Entry.** The buyer and the buyer” customer do hereby reserve the right to inspect records and any or all work completed as part of this purchase order requirement at seller’s facility. Seller’s manufacturing plant and books, or such part of any plant as may be used in furnishing the articles ordered, will at all times be subject to inspection and audit by any person designated by the head of any Regulatory Agency or the Government.

**Renegotiation Act of 1951.** This purchase order is subject to the Renegotiation Act of 1951 and shall be deemed to contain all the provisions required by Section 104 of said Act.

**Department of Labor Statement of Compliance:** Required contract laws relative to Equal Employment Opportunity/Affirmative Action are incorporated herein by specific reference to Executive Order 11246, as amended: 41 C.F.R. 60-1.4 (Equal Opportunity Clause); 41 C.F.R. 60-250.4 (Disabled Veterans/Vietnam Veterans); and 41 C.F.R. 60-741.4 (Disabled)

**Compliance with AS9100 –** Seller agrees to notify organization of nonconforming product and arrangements for organization approval of supplier nonconforming material. The seller agrees to notify organization of changes in product and/or process definition and where required, obtain organization approval. The seller agrees to flow down to sub-tier suppliers the applicable requirements in the purchasing documents, including key characteristics where required. The seller shall retain records requested in the purchasing documents for 7 years.

**Specifications** - The latest revision of the any noted specifications shall apply.

**Inspection System Requirement for ISO-9001 and/or AS-9100 or equivalent specification.**

The contractor inspection system shall conform to the requirement of ISO-9001 and/or AS-9100 and is subject to the review and approval at all times by UAC Quality/Metallurgy Department. If the contractor is furnishing material or services not of its own manufacture, the manufacturer must be compliant to ISO-9001 and/or AS-9100 and/or NADCAP.

**UAC Source Inspection.** When requested source Inspection shall be conducted by UAC at the contractors facility prior to shipment of the parts. The contractor shall notify UAC Quality/Metallurgy department prior to the start of fabrication so that mandatory test and/or inspection points can be agreed upon. First Article data will be available to the source inspector for his review and/or physical verification.

**Subcontracting.** This item shall not be subcontracted without approval from UAC Quality/Metallurgy Department.

**Special Gages.** Any special gages used for acceptance are to be approved by UAC Q.A. prior to use.

**Material Safety Data Sheet (MSDS)** The supplier shall provide a material safety data sheet (as applicable) when required by UAC.

**Applicable Standard Tolerances (Unless otherwise stated on the PO)**

PRODUCT, ITEM, OR EQUIPMENT	REQUIRED TOLERANCE
Calipers	± .001
Micrometers	± .001
Protractors	± .00001
Straight Edges	± .000125 Per Inch
Radius Gages	± .00001
Electrical Conductivity Meters	± .5% IACS
Hardness Testers	± .1 HRB Scale
Inspection Beams	± .001 Per Foot
Surface Plates	± .00006
Gage Blocks	± 2 Micro Inches
Honeywell Controllers (On Age ovens etc.)	± 1°
Extensometers	± .05% of Gage Length
Inspection Beam Calibration	Tolerance not to exceed .001 per foot of length and not less than .002 in one foot