



Scope: This document outlines the Wulco, Inc., hereinafter referred to as Wulco, Quality Assurance terms and conditions, also referred to as QA Codes, levied to suppliers providing product for Wulco Companies. The QA codes identified on the purchase order correlate directly to the quality requirement of the individual purchase order contractual document. These QA Codes apply to all operating divisions of Wulco.

QUALITY CODE TABLE OF CONTENTS

QA-1	GOVERNMENT SOURCE INSPECTION AND SURVEILLANCE
QA-2	WULCO SOURCE INSPECTION
QA-3	FIRST ARTICLE APPROVAL
QA-4	MAINTAIN OBJECTIVE EVIDENCE OF COMPLIANCE
QA-5	QUALITY SYSTEM AS9100
QA-6	CERTIFICATE OF COMPLIANCE
QA-7	QUALITY SYSTEM ANSI/ISO/ASQC - 9001
QA-8	DRAWING REQUIREMENT
QA-9	CERTIFIED INSPECTION/TEST DATA
QA-10	X-RAY REQUIREMENT
QA-11	TRACEABILITY REQUIREMENT
QA-12	AGE CONTROL REQUIREMENT
QA-13	MATERIAL SAFETY DATA SHEET (MSDS)
QA-14	FOREIGN OBJECT SENSITIVE ITEMS / FLIGHT CRITICAL COMPONENTS
QA-15	SPECIAL QUALITY REQUIREMENTS
QA-16	FIRST PIECE INSPECTION
QA-17	CERTIFICATE OF CALIBRATION
QA-18	MECHANICAL FABRICATION & INSPECTION REQUIREMENTS
QA-19	VENDOR SUPPLIED KITS
QA-20	FIRST ARTICLE INSPECTION (AS9102 REQUIREMENT)
QA-21	ITAR / EAR RESTRICTIONS APPLY FOR THIS ORDER
QA-22	LATENT DEFECTS OR DISCREPANCIES
QA-23	SUPPLIERS NOTIFICATION IN PRODUCT, PRODUCT DEFINITION, PRODUCT CONFIGURATION
QA-24	SUPPLIER FLOW DOWN REQUIREMENTS
QA-25	RIGHT OF ENTRY
QA-26	FABRICATION FILLER MATERIAL IDENTIFICATION
QA-27	RECORD RETENTION TIME
QA-28	PPAP SUBMISSION REQUIREMENT
QA-29	TRACEABILITY OF SPECIALTY METALS
QA-30	CARC PAINT MARKING

**QA-1 GOVERNMENT SOURCE INSPECTION AND SURVEILLANCE:**

Upon receipt of this order, promptly notify the Government representative servicing your plant, so that Government inspections can be planned. Government inspection and/or release of product are required prior to shipment. Evidence of Government inspection and/or release of product are required on your shipping document.

Note: QA-9 requirements also apply.

QA-2 WULCO INC SOURCE INSPECTION:

Inspection by a Wulco Quality Representative is required at your plant prior to shipment of specified product. Wulco Quality Assurance Representative stamped or signed Supplier Inspection Summary is required with each shipment. The supplier shall furnish at no cost to Wulco inspection/test data, equipment and facilities necessary to accomplish product inspection to applicable drawings, specifications and other requirements. Final acceptance of purchased product shall be at Wulco facilities.

Note: QA-9 requirements also apply. Wulco Quality Representative reserves the right to re-inspect or re-test specified product, review processes and review/audit facilities.

QA-3 FIRST ARTICLE APPROVAL:

The supplier shall notify Wulco upon preparation of first article. Wulco, and/or their customer, will observe first article testing/inspection. The supplier shall perform first article inspection on the first deliverable article produced, utilizing all processes and equipment similar to those intended to produce the contracted quantity. The first article shall conform to all drawings and purchase order requirements. Reports of first article inspection shall accompany the first article delivered to Wulco. The supplier may only continue to manufacture additional items with written authorization from Wulco

QA-4 - MAINTAIN OBJECTIVE EVIDENCE OF COMPLIANCE:

The supplier shall maintain on file, and make available to Wulco upon request, objective evidence of the following requirements, as applicable: Physical and/or chemical test reports. Along with all inspection and test records. Records indicating that special processing is performed by qualified process and/or certified personnel. Other objective evidence of compliance, as applicable.

QA-5 QUALITY SYSTEM AS9100:

The supplier shall maintain an effective quality management system in accordance with AS9100.

QA-6 CERTIFICATE OF COMPLIANCE:

The supplier shall furnish a Certificate of Compliance with each shipment that attests to compliance of the purchase order requirements. The Certificate of Compliance shall certify that all materials, products, or services conform to the requirements listed within the purchase order to include any drawings, referenced specifications or documents, and associated Wulco Quality Assurance Codes. Where any other unspecified specifications and/or documents were used in addition to determine compliance they shall be annotated on the certificate.

QA-7 QUALITY SYSTEM ANSI/ISO/ASQC - 9001:

The supplier shall maintain an effective quality management system in accordance with ANSI/ISO/ASQC - 9001.

QA-8 DRAWING REQUIREMENT:

The supplier shall furnish with the first shipment of this contract, a drawing or sketch and specification adequate to permit inspection and/or test of the product.

**QA-9 CERTIFIED INSPECTION/TEST DATA:**

Certified inspection/test data, indicating results of all required inspections shall accompany each shipment. For raw materials, the supplier shall furnish with each shipment, one copy of the chemical and physical analysis of the actual laboratory test, identifiable with the material, accomplished by the original supplier. The lab must be certified (ISO 17025, A2LA) or maintain detailed procedures for calibration of equipment and qualified personnel.

QA-10 X-RAY REQUIREMENT:

The supplier shall furnish with the shipment x-ray film traceable per ASTM E-1742 (applicable class and grade). The supplier shall furnish sufficient detail illustration of the location identifiable with each new view taken.

QA-11 TRACEABILITY REQUIREMENT:

During performance of this order, your Quality System, and Manufacturing Process are subject to review, verification and analysis by authorized Government representatives. Refer to "Right of Entry" clause in general terms and conditions.

QA-12 AGE CONTROL REQUIREMENT:

The supplier shall provide material that contains at least 75% of its remaining shelf life. The supplier shall provide pertinent shelf life data with each shipment. The supplier shall ensure that all materials, which are harmful to human health and/or property, are properly contained in accordance with applicable Government specifications. The containers will be plainly marked as to contents with appropriate warnings, precautions, instructions and storage conditions.

QA-13 SAFETY DATA SHEET (SDS):

The supplier shall provide SDS information for each affected item on the purchase order.

Note: Chemical Manufacturers and Importers must develop an SDS for each hazardous chemical they produce or import, and must provide the SDS automatically at the time of the initial shipment of a hazardous chemical to a distributor or user. Distributors must also ensure that customers are similarly provided an SDS.

QA-14 FOREIGN OBJECT SENSITIVE ITEMS / FLIGHT CRITICAL COMPONENTS: Not used**QA-15 SPECIAL QUALITY REQUIREMENTS:**

The supplier must comply with the special requirements as depicted on the purchase order.

QA-16 FIRST PIECE INSPECTION:**SUPPLIER REQUIREMENTS:**

The supplier shall clearly identify and furnish the first deliverable product to Wulco for inspection. The supplier shall furnish, at no cost to Wulco, inspection/test data supporting product compliance. The first piece shall conform to all drawings and purchase order specifications. When welding requirements per AWS D17.1 class A or B, the supplier shall submit a copy of their qualifying Welding Procedure Specification (WPS) and Procedure Qualification Report (PQR) with the first shipment.

Note: Wulco shall perform first piece inspection on the first deliverable product. Wulco will notify the supplier of inspection results and provide instructions for continuation of production/shipments if applicable.

QA-17 CERTIFICATE OF CALIBRATION:

The supplier is required to provide calibration certificate with shipment of equipment. Certified inspection/test data, indicating results of all required certification shall accompany each shipment. The



supplier/subcontractor shall maintain an effective Calibration System in accordance with ANSI/ISO/ASQC 10012. A written description of this system shall be made available to Wulco upon request.

QA-18 MECHANICAL FABRICATION & INSPECTION REQUIRMENTS: Not used

QA-19 SUPPLIER SUPPLIED KITS:

Items requiring kitting for Wulco shall require a comprehensive packing list of all parts contained within the kits, to include any approved substituted parts. As a minimum, the following information should be included on the vendor supplied packing list: Part number (to include substitute part numbers and P.O. identified part number, quantity and nomenclature). Shelf life items shall be identified according to MIL-STD-129 and should have at least 75% of the existing shelf life remaining at time of shipment. Hazardous materials (HAZ-MAT) should be packaged IAW CFR-49 and IATA requirements based on method of transportation. The vendor shall identify all line items in the kit IAW MIL-STD-129.

QA-20 FIRST ARTICLE INSPECTION (AS9102 REQUIREMENT):

The supplier shall notify Wulco upon preparation of first article. The supplier shall perform first article inspection on the first deliverable article produced, utilizing all processes and equipment similar to those intended to produce the contracted quantity. The first article shall conform to all drawings and purchase order requirements. First article inspection reports shall be completed and submitted to Wulco QA for approval prior to shipment. Completed and approved first article inspection reports shall accompany the first article delivered to Wulco

Note: QA-9 requirement also applies. Wulco, along with its customer, reserves the right to enter the supplier's plant at all times for the purpose of surveillance assessment of the Calibration System as well as items procured under this Purchase Order.

QA-21 ITAR / EAR RESTRICTIONS APPLY FOR THIS ORDER:

Safe Guard the technical data and drawings from view or handling from other than US Citizens. This technical data shall not be transmitted over the internet or FAX systems.

Note: Wulco, along with its customer, reserves the right to enter the supplier's plant at all times for the purpose of surveillance assessment of the Calibration System as well as items procured under this Purchase Order.

QA-22 LATENT DEFECTS, DISCREPANCIES OR REPAIRS: (Supplier Notification to Wulco)

The supplier shall notify Wulco of any latent defects of product or materials prior to or after delivery of suspected nonconforming product of materials to allow Wulco the opportunity to accept said product and or notify our customer(s) of the nonconformance issues with the delivered product(s). This includes any repairs to supplied product that needs to be performed prior to delivery (ie weld repair). Repair procedures and other information may be requested by Wulco prior to acceptance of product.

QA-23 SUPPLIER'S NOTIFICATION IN PRODUCT, PRODUCT DEFINITION, PRODUCT CONFIGURATION:

The supplier shall notify Wulco of all issues and obtain contract approval concerning product or materials product definition, product configuration, material substitution or other issues that are outside the scope of the contractual engineering documents.

QA-24 SUPPLIER FLOW DOWN (SUB-TIER SUPPLIERS) REQUIREMENTS:

The supplier shall notify Wulco and obtain permission to use sub-tier suppliers prior to sub-contracting Wulco products or materials.



QD840-2 Quality Codes / PO Requirements		Page 5 of 5
Rev C	Rev Date 10/19/20	Approved by: Purchasing Mgr (TF) & Compliance Mgr (CW)
Not Controlled in Hard Copy Format		

QA-25 RIGHT OF ENTRY:

Wulco, along with its customer, reserves the right to enter the supplier's plant at all times, for the purpose of surveillance assessment of the system as well as items procured under this purchase order. Said assessment does not constitute final acceptance of items produced.

QA-26 FABRICATION FILLER MATERIAL IDENTIFICATION:

GTAW filler material shall be ordered as "Flag Tagged" or "Wire Stamped" material. When flag tagged or wire stamped material is not available the material shall be color coded using a color traceable to the heat/lot number and so identified on the purchase order and material Certification. The material shall be color coded by the supplier or when receiving the product by Wulco Weld Quality Personnel.

QA-27 RECORD RETENTION TIME:

The supplier shall retain all Wulco Inc records maintained by the supplier for a minimum of 7 years or as specified in the purchase order.

QA-28 PPAP SUBMISSION REQUIREMENT:

When cited on the Wulco PO, a Production Part Approval Process (PPAP) shall be conducted in accordance with the latest AISI guidelines. PPAP submission to a Wulco Company must be made prior to, or at the time of, part delivery as stated on the PO. Processes are subject to an audit by Wulco.

QA-29 TRACEABILITY OF SPECIALTY METALS:

All specialty metals used to produce parts for vehicles sold to the U.S. Government shall be traceable to their country of origin. Objective evidence verifying the country of origin, i.e., Material Certificate of Analysis, shall be presented upon request by Wulco or their customer.

Note: Refer directly to DFARS 252.225-7008 and 252.225-7009 for the definitions of specialty metals and the permitted countries of origin.

QA-30 CARC PAINT MARKING:

All parts large enough to be individually marked shall be marked with the name or logo of the painter and the date or lot identification on which the parts were painted. Marking shall be ink stamped in a contrasting color with the size and font at the discretion of the painter. Items too small to be individually marked shall have this information marked on the packaging.