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Cláusulas de Calidad Quality Clauses

Doc. No. **A-840-002**

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Historial de Revisión - Revision History

Rev. Rev.	Sección Section	Resumen de Cambio Change	Fecha Date	Modificado por Changed by	Autorizado por Authorized by
N/C	TODAS All	Versión Original Original Release	17/Jul/2025	 Karyme Quijada	 Franklin Gaxiola

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Verifique la revisión más reciente en el [QMS](#).
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Cláusulas de Calidad para la Cadena de Suministro – GA Aerospace

El siguiente documento lista a) cláusulas generales de calidad aplicables a todas las órdenes de compra y b) cláusulas especiales de calidad aplicables únicamente cuando así se indique en la orden. El proveedor se compromete a cumplir con los requisitos de calidad establecidos, asegurando la conformidad de los productos y servicios proporcionados.

a) Cláusulas Generales de Calidad:**Q001 - CONTROL DE PROVEEDORES SUBCONTRATADOS**

El proveedor, como receptor de la orden de compra (PO) o contrato, es responsable de cumplir todos los requisitos técnicos y de calidad especificados, ya sea que el trabajo lo realice directamente o lo delegue a sus fuentes subcontratadas. Cuando se utilicen subcontratistas para realizar trabajos en productos y/o servicios destinados a GA Aerospace, el proveedor deberá hacer un “flujo descendente” de todos los requisitos técnicos y de calidad aplicables de la orden de compra o contrato, incluyendo, cuando aplique, los requisitos para documentar y controlar “características clave” y/o “procesos clave”, así como proporcionar certificados e informes de prueba requeridos.

Q002 - SISTEMA DE GESTIÓN DE CALIDAD

Los proveedores deberán implementar, documentar y mantener un Sistema de Gestión de Calidad conforme con uno o más de los siguientes estándares. GA Aerospace se reserva el derecho de auditar, revisar y aprobar dicho sistema:

1. AS9100
2. AS9110
3. AS9120
4. ISO 9001

Nota: Los proveedores aprobados inicialmente mediante certificación (ISO, AS9100, etc.) deben notificar a GA Aerospace cualquier cambio en dicha certificación.

Q003 - CALIFICACIÓN DEL PERSONAL

Los proveedores deberán asegurar que todo el personal que realice tareas críticas de calidad esté calificado para dichas tareas, y que esta información esté disponible para su revisión.



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Q004 - GESTIÓN DE CONFIGURACIÓN

Los proveedores deberán mantener la identificación y estado de revisión correctos de especificaciones, dibujos, requerimientos de proceso, instrucciones de inspección/verificación y demás datos técnicos relevantes.

Q005 - PROCESOS DE GA AEROSPACE

GA Aerospace se reserva el derecho de aprobar o especificar diseño, planes de prueba, inspección, verificación, uso de técnicas estadísticas para aceptación de producto y cualquier elemento crítico aplicable, incluyendo características clave.

Q006 - DERECHO DE ACCESO

El proveedor deberá otorgar derecho de acceso a GA Aerospace, sus clientes, el gobierno de EE.UU. y/o agencias regulatorias, a las áreas aplicables de sus instalaciones (y de cualquier subnivel de la cadena de suministro) relacionadas con la orden, así como a los registros correspondientes.

Q007 - REGISTROS DE CALIDAD DEL PROVEEDOR

El proveedor deberá mantener registros adecuados de inspección y prueba como evidencia de conformidad con los requisitos especificados. Dichos registros deberán ser legibles y rastreables al producto involucrado, y conservarse por un mínimo de diez (10) años a partir de la fecha de fabricación final, salvo disposición distinta en el contrato.

Q008 - CONDUCTA ÉTICA

El proveedor es responsable de implementar un Código de Ética en su organización y asegurar que todos sus empleados estén informados al respecto. GA Aerospace cuenta con su propio Código de Ética comunicado a todos sus colaboradores.

Q009 - SEGURIDAD DEL PRODUCTO

El proveedor es responsable del correcto manejo del producto antes y durante el envío para evitar daños. También debe considerar la seguridad del producto en pruebas y evaluaciones.

Q010 - NOTIFICACIÓN DE PRODUCTO NO CONFORME

El proveedor deberá notificar a GA Aerospace dentro de las primeras 24 horas tras detectar que ha enviado producto no conforme o con escape de calidad. La notificación debe incluir: nombre del proveedor, número de orden o contrato, número de parte, cantidad afectada,

números de serie (si se conocen), fechas de entrega (si se conocen), y descripción del problema. El proveedor deberá proporcionar evidencia de acciones correctivas y preventivas.

Q011 - AUTORIDAD DEL MRB (MATERIAL REVIEW BOARD)

No se autoriza la autoridad de MRB en esta orden de compra.

Q012 - VIDA ÚTIL

Todo material con vida útil deberá enviarse con al menos el 90% de su vida útil restante. El proveedor deberá incluir duración de vida útil, fecha de fabricación y fecha de expiración en el certificado de material.

Q013 - PARTES FALSIFICADAS O NO APROBADAS (SUP)

El proveedor deberá contar con un programa de detección, prevención, mitigación y disposición de partes falsificadas conforme con AS99100 o equivalente. Solo se aceptará material auténtico y trazable al OEM correspondiente.

Q014 - CAMBIOS Y APROBACIONES

El proveedor deberá notificar a GA Aerospace sobre cualquier cambio propuesto en diseño, métodos de fabricación o procesos previamente aprobados. Deberá obtener aprobación por escrito. Cambios también incluyen dirección, gerencia y propiedad.

Q015 - PROVISIÓN DE MUESTRAS DE PRUEBA

GA Aerospace se reserva el derecho de requerir muestras para aprobación de diseño, verificación, investigación o auditoría.

Q016 - CONFORMIDAD DEL PRODUCTO O SERVICIO

El proveedor deberá asegurar que su personal esté capacitado y consciente de la importancia de sus actividades para cumplir con los requisitos de las órdenes de compra de GA Aerospace.

Q017 - CONTROL DE OBJETOS EXTRAÑOS (FOD)

El proveedor deberá asegurar que los dispositivos, componentes y materiales estén libres de FOD. La presencia de FOD será causa de rechazo del material.



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Q018 - CALIBRACIÓN

El proveedor deberá cumplir al menos uno de los siguientes estándares: ISO/IEC 17025, ISO 10012-1, ANSI Z540.3. Los certificados de calibración deberán ser trazables al NIST.

Q019 - CERTIFICADO DE CONFORMIDAD (C of C)

Cada envío debe incluir copia del C of C, firmada por la persona que autoriza el producto. Si el producto es serializado, los números de serie deben incluirse.

Q020 - IDENTIFICACIÓN DE “MERCANCÍA PELIGROSA”

Se debe aplicar una calcomanía de mercancía peligrosa al contenedor externo y a los documentos de envío, además de incluir una hoja MSDS con cada envío.

Q021 - CERTIFICADO DE CONFORMIDAD DE MATERIAL

Cada envío deberá incluir análisis químicos/físicos y certificación que cumpla con las especificaciones del material, con firma del responsable autorizado.

Q022 - ENVÍOS ANTICIPADOS

No enviar antes de la fecha requerida. El proveedor deberá notificar cualquier cambio en el calendario de entrega.

Q023 - ENVÍO COMPLETO

El pedido debe enviarse completo. No se aceptarán entregas parciales sin aprobación previa.

Q024 - DISPUTAS

Cualquier disputa será regida por las leyes del Estado de California.

Q025 - EVALUACIÓN, APROBACIÓN Y MONITOREO DE PROVEEDORES

Los proveedores serán evaluados inicialmente y monitoreados continuamente en función de la criticidad, calidad, entregas a tiempo y capacidad de respuesta.

Q026 - PRIMER ARTÍCULO (FAI)

El proveedor deberá realizar un FAI conforme a lo indicado en la orden o cláusulas. El informe se mantendrá en sitio y estará disponible para revisión.

Q027 - IDENTIFICACIÓN, CONSERVACIÓN Y EMPAQUE

Todos los envíos deben proteger el producto contra daño o deterioro, usar prácticas comerciales aceptables y etiquetarse con: (1) número de parte y revisión, (2) número de orden, (3) línea de orden, (4) cantidad, (5) identificación del fabricante.

Nota: Tarimas de madera fabricadas fuera de EE.UU. deben cumplir normativas de tratamiento.

- a. Empaque individual: cada parte deberá empacarse individualmente con materiales protectores.
- b. Partes pintadas: deben estar completamente curadas y empaquetadas individualmente para evitar daños.

b) Cláusulas Especiales de Calidad:**QS001 - DECLARACIÓN DE CONFORMIDAD FAA**

Cuando se indique, los productos están sujetos a verificación obligatoria de conformidad FAA. Se usará el formato FAA 8130-9 y se deberá incluir una copia con cada envío conforme.

QS002 - ENSAMBLES ELECTRÓNICOS, PARTES Y EQUIPO

Por defecto se aplicarán los requisitos de Clase 3 si no se especifica otra clase. Se aplican los siguientes estándares:

1. IPC-A-610
2. IPC-J-STD-001
3. Cables eléctricos identificados con número de parte y código de fabricación.
4. Arneses eléctricos conforme a IPC 620 y estándares "J" aplicables.

QS003 - FAI POR EL PROVEEDOR (DOCUMENTACIÓN MANTENIDA EN SITIO)

El proveedor realizará y conservará el informe FAIR para revisión por GA Aerospace.

QS004 - FAI POR EL PROVEEDOR (DOCUMENTACIÓN ENVIADA A GA AEROSPACE)

El informe FAIR y la unidad de primer artículo deberán enviarse a GA Aerospace.

QS005 - FAI EN INSTALACIONES DEL PROVEEDOR POR GA AEROSPACE

GA Aerospace realizará o presenciara el FAI antes del envío del resto del pedido.

QS006 - INSPECCIÓN EN ORIGEN POR GA AEROSPACE

Se requiere inspección de GA Aerospace antes del envío. El proveedor debe coordinar con el comprador los arreglos de verificación.

QS007 - DELEGACIÓN DE VERIFICACIÓN DEL PRODUCTO

El proveedor ha sido aprobado por GA Aerospace para verificar producto conforme.

QS008 - REPORTES DE PRUEBAS QUÍMICAS Y FÍSICAS

Cada envío deberá incluir copia legible de los reportes de pruebas realizadas, con firma y título del responsable autorizado.

QS009 - MATERIALES CON VIDA ÚTIL CONTROLADA – 80% DE VIDA ÚTIL.

El material debe entregarse con al menos el 80% (según se indique) de vida útil restante, especificando duración, fecha de fabricación y fecha de expiración en el certificado del material.

QS010 - MATERIALES CON VIDA ÚTIL CONTROLADA – 70% DE VIDA ÚTIL.

El material debe entregarse con al menos el 70% (según se indique) de vida útil restante, especificando duración, fecha de fabricación y fecha de expiración en el certificado del material.

QS011 - MATERIALES CON VIDA ÚTIL CONTROLADA – 60% DE VIDA ÚTIL.

El material debe entregarse con al menos el 60% (según se indique) de vida útil restante, especificando duración, fecha de fabricación y fecha de expiración en el certificado del material.



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GA Aerospace Supply Chain Quality Clauses

The following document lists a) general quality clauses which are applicable to all purchase orders and b) special quality clauses applicable to purchase orders when indicated. The supplier commits to meeting the established quality requirements, ensuring the conformity of the products and services provided.

a) General Quality Clauses:

Q001 - CONTROL OF SUB-TIER SUPPLIERS

The supplier, as the recipient of the PO or Contract, is responsible for meeting all PO/Contract specified technical and quality requirements, whether the supplier performs, the work or the work is performed by the supplier's sub-tier sources. When the supplier uses sub-tier sources to perform work on products and/or services scheduled for delivery to GA Aerospace, the supplier shall include (flow-down) on Purchase Orders of Contracts, to their sub-tier sources, all of the applicable technical and quality requirements of the GA Aerospace P.O. or Contract, including, when applicable the requirements to document and control "key characteristics" and/or "key processes", and to furnish certifications and test reports required by the applicable P.O. Quality requirements.

Q002 - QUALITY MANAGEMENT SYSTEM

Suppliers shall implement, document, and maintain a Quality Management System in accordance with one or more of the standards listed below. GA Aerospace reserves the right to audit, review, and approve the supplier's Quality Management System.

1. AS9100
2. AS9110
3. AS9120
4. ISO 9001

Note: Suppliers initially approved for use via certification (ISO, AS9100, etc.) must notify GA Aerospace of any changes to that certification.

Q003 - PERSONNEL QUALIFICATIONS

Suppliers shall ensure all personnel performing quality sensitive tasks on GA Aerospace products are qualified to perform the tasks associated with the product and this information is available for review.



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Q004 - CONFIGURATION MANAGEMENT

Suppliers shall maintain the proper identification and revision status of specifications, drawings, process requirements, inspection/verification instructions, and other relevant technical data.

Q005 - GA AEROSPACE PROCESSES

GA Aerospace reserves the right to approve or specify any design, test, inspection plans, verification, use of statistical techniques for product acceptance, and any applicable critical items, including key characteristics.

Q006 - RIGHT OF ACCESS

Right of access shall be granted by the supplier to GA Aerospace, their customers, US government, and/or regulatory agencies to the applicable areas of all supplier facilities, at any level of the supply chain, involved in the order and to all applicable records.

Q007 - SUPPLIER QUALITY RECORDS

The supplier shall maintain suitable inspection and test records to serve as evidence of conformance with specified requirements of the PO. Such records shall be legible and traceable to the product involved. These records shall be maintained for a minimum period of ten (10) years from the date of final manufacture or as stated otherwise in the contract.

Q008 - ETHICAL BEHAVIOR

The supplier is responsible for implementing a Code of Ethics within its organization; and assuring that all of its employees are aware of such requirement. GA Aerospace has in place a Code of ethics which has been communicated to all employees.

Q009 - PRODUCT SAFETY

The supplier is responsible for the proper processing of the product, prior and during shipment to GA Aerospace, to prevent any potential damage to the product. The supplier is also responsible that product safety is taken into account when processing the product for any testing and evaluation activities.

Q010 - SUPPLIER NOTIFICATION OF NONCOMFORMING PRODUCTS DELIVERED TO GA AEROSPACE

When the supplier has determined that nonconforming product(s) and/or Quality Escapes have been delivered to GA Aerospace, the supplier shall notify GA Aerospace within twenty-four (24)



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hours of the initial discovery. The supplier shall use receipt acknowledgment e-mail or other positive notification methods. The notification shall include the supplier name, GA Aerospace PO/Contract number, part number and description, affected quantity and serial numbers (if known), dates delivered (if known), brief description of the nonconforming condition. The supplier shall provide evidence that the cause of the nonconformance was corrected and that actions were taken to preclude and reoccurrence

Q011 - MATERIAL REVIEW BAORD (MRB) AUTHORITY

Material Review Board (MRB) authority is not authorized on this purchase order.

Q012 - SHELF LIFE PROVISIONS

GA Aerospace requires that all time sensitive material be shipped with a minimum of 90% shelf life remaining at date of shipment. Suppliers are required to provide shelf life duration, date of manufacturing, and date of expiration on the material certification.

Q013 - COUNTERFEIT/SUSPECTED UNAPPROVED PARTS (SUP)

Suppliers shall maintain a counterfeit parts, avoidance, detection, mitigation, and disposition program meeting the requirements of Aerospace Standard AS99100 series or equivalent. The supplier shall only deliver authentic material and goods to GA Aerospace. Suppliers shall make available to GA Aerospace documentation that authenticates and provides traceability of the parts to the applicable OEM.

Q014 - CHANGES AND APPROVAL

The supplier shall notify GA Aerospace of any proposed changes in the design, fabrication methods, or processes previously approved by GA Aerospace and/or GA Aerospace's customer, and obtain written approval of the changes from GA Aerospace and/or GA Aerospace's customer. Changed articles shall be clearly identified and in a different manner from the previous articles. When the buyer procures a proprietary item, the supplier shall notify the buyer of changes. Other changes shall include: management, ownership, and manufacturing location(s).

Q015 - REQUIREMENT TO PROVIDE TEST SPECIMENS

GA Aerospace reserves the right to designate requirements for test specimens for design approval, inspection/verification, investigation, or auditing.



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Q016 - PRODUCT OR SERVICE CONFORMITY

The supplier shall ensure personnel processing orders or performing work affecting conformity to product or service are trained and aware of the importance of their activities associated with meeting the requirements of GA Aerospace purchase orders.

Q017 - FOREIGN OBJECT DEBRIS/DAMAGE (FOD)

The Supplier shall assure that that devises, components and materials delivered under this contract are free of Foreign Object Debris (FOD). The Supplier shall employ general prevention practices to keep FOD, large or small, from the product and packaging. FOD contamination will be cause for rejection of material.

Q018 - CALIBRATION PROVISIONS

Suppliers must meet at a minimum one of the following standards: ISO/IEC 17025, ISO100012-1, ANSI Z540.3. All calibration certificates shall identify standards used and must be traceable to National Institute of Standards and Technology (NIST).

Q019 - CERTIFICATE OF CONFORMANCE

Suppliers shall provide evidence that the processes requested in this purchase order were performed by approved sources and such evidence retained on file per Q007 herein. Each shipment shall be accompanied by reproducible copy of the Certificate of Conformance (C of C) containing the signature of the person authorizing the release of the product for shipment to GA Aerospace. When the product is serialized the serial numbers shall be included on the C of C.

Q020 - IDENTIFICATION OF "DANGEROUS GOODS"

A "Dangerous Goods" decal must be applied to the outer container of the item being shipped and to the associated shipping document (shipper). Also, one copy of the applicable MSDS sheet must be provided with each shipment. This is in addition to federal & provincial requirements noted in IATA & DOT CFR. It does not relieve the supplier of their responsibility to comply with any marking & labeling requirements set forth in the IATA & DOT CFR or any other legal documentation that may apply to this shipment.

Q021 - CERTIFICATE OF MATERIAL CONFORMANCE

Submit with each shipment one reproducible record of Actual chemical and or physical analysis and a certification of conformance to the applicable material specifications. The certification shall contain a list of the specification(s) including a revision letter(s), identification by Heat, lot, or Melt number, shall include the identification (signature, electronic signature, stamp, etc. of the



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person authorizing release of product certifying each material used to fabricate the items ordered in this "Purchase Order".

Q022 - EARLY SHIPMENTS

Do not ship prior to required date. Supplier shall notify GA Aerospace of any changes in schedule.

Q023 - SHIP COMPLETE

Order must ship complete; partial deliveries will not be accepted without prior approval from GA Aerospace.

Q024 - DISPUTES

Any disputes arising out of, or in connection with GA Aerospace Purchase Orders shall be governed by the laws of the State of California.

Q025 - EVALUATING, APPROVING, AND MONITORING SUPPLIERS

Suppliers providing product or services to GA Aerospace shall be initially evaluated to ensure products and services meet design data. All GA Aerospace approved suppliers shall be monitored and evaluated based on criticality of product or service provided. Continued evaluation is scored based on quality, on-time delivery, and responsiveness.

Q026 - FIRST ARTICLE

Supplier shall perform a first article inspection in accordance with the requirements set forth in Purchase Order Information and/or Quality Clause requirements. Supplier shall forward one (1) copy of the first article inspection (FAIR) report to GA Aerospace. FAIs shall be performed on all new and revised production manufactured items by supplier at supplier's facility. Results of FAI's will be documented on the FAIR, and maintained at the supplier's facility and be available for review by GA Aerospace when requested refer to Quality Clause Q007 for retention requirements.

Q027 - IDENTIFICATION, PRESERVATION, AND PACKAGING

All shipments to GA Aerospace must be packaged to avoid damage and deterioration and must be shipped to the address specified on the PO unless otherwise noted. Packaging and packing shall be in accordance with good commercial practices unless otherwise specified on the PO. Parts shall not be intermingled unless otherwise specified. Each box or container shall be labeled and have as a minimum the following information: (1) Part number and revision, (2) PO



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number, (3) PO Line Item, (4) Quantity and (5) Manufacturer's identification. Dangerous Goods shall be identified as required by DOT, IATA, and CFR regulations and standards, a decal must be affixed to the outside of the container as well as the shipping documentation. A Safety Data Sheet (SDS) shall accompany the shipping documentation and the shipment.

Note: Wood pallets fabricated outside of the United States must be treated for infestations and identified on the pallet in accordance with U.S. Regulations.

a. Individual Packaging Requirements:

All parts inclusive of this PO shall be packaged separate from one another to avoid damage and/or deterioration. Sheet foam, bubble wrap, or suitable paper wrapping shall be used.

b. Painted Parts Packaging and Handling:

Painted parts whether primed or finished shall be completely cured or outgassed prior to shipment and/or packaging so that re-wetting does not occur. Painted parts shall be individually wrapped for protection to keep them from chipping, being marred or scratched.

b) Special Quality Clauses:

QS001 - FAA "STATEMENT OF CONFORMITY"

Products on this order are subject to mandatory Federal Aviation Administration (FAA) conformity inspection verification. When this conformity inspection is performed at supplier's facility, GA Aerospace will complete FAA form 8130-9 "Statement of Conformity" and notify the appropriate FAA representative. After completion of the FAA conformity inspection verification, supplier shall include one copy of FAA form 8130 with each conforming part shipped as evidence of inspection.

QS002 - ELECTRONIC ASSEMBLIES, PARTS, AND EQUIPMENT

Suppliers shall default to Class 3 requirements if the class is not otherwise specified on the PO or other documents provided by GA Aerospace.

1. Printed Circuit Board Assemblies PCBA's will comply with IPC-A-610, Acceptability of Electronic Assemblies, unless otherwise specified.
2. Printed Circuit Board Assemblies PCBA's will comply with IPC-J-STD-001, requirements for Soldered Electrical and Electronic Assemblies unless otherwise specified.



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3. Electrical Cables Electrical cables shall be identified with part number and manufacturing code. The spool, and Certificate of Conformance shall be identified per applicable standard/specification with the following information:
standard/specification, size code, manufacturing year, country code (if applicable), and manufacturer.
4. Electrical Wiring Harnesses Electrical wiring harnesses shall be assembled and tested in accordance with IPC 620 and the applicable "J" standard(s) that are associated with Harness's assembly type.

QS003 - FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

FAI shall be performed on all new or revised production manufactured items by seller at seller's facility. Results shall be documented on a report identified as "First Article Inspection Report" (FAIR). The report will be maintained at the seller's facility and be available for review by GA Aerospace when requested.

QS004 - FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO GA AEROSPACE)

FAI's shall be performed on all new or revised production manufactured items by seller at seller's facility. Results will be documented on a report identified as a "First Article Inspection Report" (FAIR). The identified first article unit and the FAIR will be sent to GA Aerospace.

QS005 - FIRST ARTICLE INSPECTION (FAI) BY GA AEROSPACE AT SELLER'S FACILITY

FAI and/or test shall be accomplished at the Seller's facility before the balance of order may be shipped. GA AEROSPACE will conduct or witness inspections and/or tests and the results will be on a report form identified as "First Article Inspection Report".

QS006 - GA AEROSPACE SOURCE INSPECTIONS

GA Aerospace inspection is required prior to shipment from your facility. Evidence of such inspection must be included in your packing documents accompanying each shipment. You must contact GA Aerospace's buyer and establish verification arrangements and the method of product release. Drawings, inspection/test documents, and specifications, as applicable, covering material on this order shall be available for inspection at your facility.

QS007 - DELEGATIONS -SUPPLIER VERIFICATION OF GA AEROSPACE PRODUCT

The supplier has met the requirements established by GA AEROSPACE quality organization for the verification of GA AEROSPACE product.



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QS08 - CHEMICAL AND PHYSICAL TEST REPORTS

Each shipment must be accompanied by one (1) legible and reproducible copy of all chemical and physical test reports identifiable with materials ordered. The reports must contain the signature and title of the authorized representative of the agency performing the test and must assure conformance to specification requirements.

QS009 - SHELF LIFE CONTROLLED MATERIAL; 80% SHELF LIFE REQUIRED AT RECEIPT

Time sensitive material shall be furnished with a minimum of 80% of its shelf life remaining at date of shipment. Shelf life duration, date of manufacture and date of expiration shall be listed on material certification.

QS010 - SHELF LIFE CONTROLLED MATERIAL; 70% SHELF LIFE REQUIRED AT RECEIPT

Time sensitive material shall be furnished with a minimum of 70% of its shelf life remaining at date of shipment. Shelf life duration, date of manufacture and date of expiration shall be listed on material certification.

QS011 - SHELF LIFE CONTROLLED MATERIAL; 60% SHELF LIFE REQUIRED AT RECEIPT

Time sensitive material shall be furnished with a minimum of 60% of its shelf life remaining at date of shipment. Shelf life duration, date of manufacture and date of expiration shall be listed on material certification.