



CHEMICAL AND PHYSICAL ANALYSIS OF RAW

MATERIALS

REQUIREMENTS

1. Seller shall provide physical and chemical reports of analysis or tests conducted to assure raw materials delivered, or raw materials used in the parts delivered, conform to the specifications required by this purchase order with each shipment of parts or materials.
 - 1.1. Test analysis reports shall indicate each chemical element present and the actual quantity of each expressed as a percent of total.
 - 1.2. Physical properties listed in test analysis reports shall be expressed in the same terms as the applicable specification with actual values and specification limits recorded.
 - 1.3. Commercial-Off-The-Shelf (COTS) items will be accepted with a standard C of A.
 - 1.3.1. COTS are defined per FAR 12.
2. The exact format of the submitted data may vary by Seller to Seller, but shall contain the following minimum requirements:
 - 2.1. Original material producer's name
 - 2.2. Purchase order number
 - 2.3. Part or material number and revision
 - 2.4. Material Heat/Lot/Batch Numbers
 - 2.5. Serial numbers (applicable when S/N is specified)
 - 2.6. Date of test/inspection
 - 2.7. Quantity of units tested, including units of measure
 - 2.8. Test/inspection results, conditions, parameters, and test facility identification
 - 2.9. Material Certification Report(s) if applicable
 - 2.10. Seller's authorized QA signature (or electronic equivalent)
3. International Sellers shall contact the HFE International Buyer or Subcontract Manager to receive International Traffic in Arms Regulations (ITAR) authorizations, such as, but not limited to: Manufacturing License Agreement (MLA) or Technical Assistance Agreement (TAA), prior to outsourcing analysis or tests.



DATA SUBMISSION SUMMARY

- Seller to deliver the following data to HFE International for information as required by this document
 - Each shipment will include physical and chemical reports of analysis or results of tests conducted.

NOTES

- Seller may submit mill analysis in lieu of Seller analysis or independent laboratory analysis on raw materials furnished/utilized on this purchase order, provided mill analyses are traceable to material furnished or utilized, and the above requirements are met.
- Physical properties are not applicable to die castings.
- For Aluminum stock, the report(s) will indicate the raw materials used (e.g., bar, AL Alloy 6061-QQ-225/8,T6) in the part, but the corresponding standard chemical composition chart is not required.