

Coded Note Number: **C2350**

Revision Level: **C003**

Date: **March 13, 2017**

Title: **LEVEL I FASTENERS AND RAW MATERIAL TEST REPORTS**

This revision history is provided for convenience and does not alleviate the supplier's responsibility with understanding and complying with the full coded note.

Change from Revision C002 – Editorial change to reformat to current standard.

Bolded font indicates changed/added content.

[*Text deleted*] inserted in the document indicates the removal of content.

Quantity: One (1) copy

Test report(s) for each heat/lot/batch as defined by the invoked specification of each purchase order item containing:

- A. Results of the chemical analysis as required by the invoked specification or as specified by this purchase order.
- B. Results of all mechanical test(s) required by the invoked specification (example: tensile, yield, elongation, etc.) Performed in accordance with the invoked specification or as specified by this purchase order. When heat treatment is required, the tests shall be made after heat treatment.
- C. Each test report provided shall be identified by the applicable heat/lot/batch number of the material it represents as defined by the invoked specifications.
- D. The specification and revision to which the material was manufactured and tested whenever a specification is invoked.

Note: all tests and inspections required by the purchase order and/or the applicable specification shall be accomplished and reported unless specifically waived in our order.

A signed positive (i.e. unqualified) certification statement by the testing facility that indicates the test data is in compliance with the specification requirements.

(Example: The results reported on this test report represent the actual attributes of the material furnished and indicate full compliance with all applicable specification requirements.

In addition to the above the following also applies to fasteners.

- E. For nuts, the mechanical test(s) required shall be the proof load and/or hardness test as detailed by the applicable specification.
- F. Unless otherwise specified by the specification, when a lot of bolts or studs is manufactured by machining from bar in its final condition without subsequent heat treatment or cold working such as heading or thread rolling, the parent bar stock may be used to obtain the appropriate number of tension test specimens. The mechanical properties obtained (tensile strength, yield strength, % elongation, reduction of area, and hardness) shall conform to the invoked fastener specification or as specified by this purchase order. Other mechanical tests required to be performed on full-size fasteners such as wedge tensile test, axial tensile test, elastic proof load, etc. Shall be performed on finished fasteners in accordance with the requirements of the invoked specification or as specified by this purchase order.
- G. Test reports supplied shall also state, or a separate certificate shall be provided, which indicates, (1) the manufacturing methods used (i.e., machined from bar, hot headed/forged, cold headed/punched, roll threaded, cut or ground threaded, etc.) And (2) the heat treatments used in production of the fasteners supplied.