

Coded Note Number: LI116
Revision: **C010**
Date: **September 21, 2023**

1. PURPOSE:

To outline Newport News Shipbuilding's (NNS) test report requirements for shop products and solid non-metallics that fall under QPL requirements.

2. DEFINITIONS:

A. Shop Products – Any substance that contacts hardware surfaces other than metals or solid nonmetallic materials, such as liquids, pastes (e.g., greases, uncured; adhesives, sealants, locking compounds, and epoxies), and powders, not intended to be a permanent part of plant hardware unless otherwise specified by NNS.

B. Solid Non-Metallic Materials – Materials that contact hardware surfaces not intended to be a permanent part of plant hardware such as elastomers, plastics, cloths, sheet, tubing, stickers, bags, gloves, consumable ceramics, and tape.

3. GENERAL INFORMATION:

When EB Standard Clause 76-102 and this Coded Note are both specified in a Purchase Order (PO), this Coded Note takes precedence. It is the supplier's responsibility to comply with this coded note in its entirety when it is specified as a part of a PO.

A. The following Test Report must be:

- Readily identifiable to the NNS PO and Item Number
- In the form of reports issued by the organization performing the analysis or exact copies thereof. Data transcribed to another organization's forms are not acceptable.
- Certified correct with a signature and date by the seller's authorized representative.

B. The Test Report shall be submitted to APL_QPL@hii-nns.com and approved prior to shipment of material. If the seller is unable to provide the required Test Report, the seller shall submit the following information to the email above and await further instructions from NNS: Manufacturer's Name, Product Name and Description, and Lot Number(s).

C. The seller shall accomplish the following analysis for each manufacturer and each lot of the specific product procured. Products must be re-verified to meet the detrimental limits if the manufacturer identifies that a change in

the formulation has been made. If no manufacturer lot identification is present, all items (products) of one type received from the same manufacturer in the same shipment may be considered a single lot.

D. **Bolded** font indicates changed/added content (except section titles).

4. REQUIREMENTS:

Include one (1) copy of the Certified Test Report, performed within four (4) years of the material shipment date, showing actual results of chemical analysis, which verifies that the items (products) on this order meet the following requirements:

- A. Contain no more than 750 ppm cumulative total halogens (chlorine plus fluorine plus bromine). Analysis only for free halides, such as by the chloride titration procedure, is not sufficient.
- B. Contain no more than 1000 ppm of total sulfur.
- C. Contain no more than 250 ppm of total lead.
- D. Contain no more than 10 ppm of total mercury.

5. EXEPTIONS:

- A. The halogens limit does not apply to Teflon products (such as Teflon tubing and tape).
- B. In lieu of analysis for mercury, product manufacturers may certify that mercury and mercury compounds have not been added to the product and have not come in contact with the product during processing.
- C. For material with both a carrier and a residue (for example, PT Developer that is sprayed onto the surface), both the carrier and the residue shall be tested to the above requirements. The carrier and residue may be tested together. If the carrier is air, nitrogen, argon or carbon dioxide, the carrier need not be tested.

Revision History Table		
Rev	Description	Revision Date
C010	Revision C010 updated formatting throughout.	9/21/2023

This revision history is provided for convenience and does not alleviate the supplier's responsibility with

understanding and complying with the full coded note.