

1 **Volume 1 Module 3: Quality Systems for Asbestos Testing**

2 **1.6.2.2 (Requirement)**

3 i) Is not an allowable option.

4 **1.7.1.1.1 (Requirement)**

5 In addition to TNI 1.7.1.1.1, the following is required:

6 Frequencies shall be increased following non-routine maintenance or unacceptable calibration
7 performance.”

8 **1.7.1.1.1 (Requirement)**

9 In addition to TNI 1.7.1.1.1.a), the following is required:

10 b) A logbook shall be maintained with the calibrated magnification, the date of
11 calibration, and the analyst’s signature or initials recorded.

12 **1.7.1.1.1 DoD/DOE (Clarification)**

13 The following is a clarification to TNI 1.7.1.1.1.b):

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15 b) Use a gold standard grid to obtain the characteristic diffraction rings, from which
16 the camera constant can be calculated.

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18 **1.7.1.2.2 (Requirement)**

19 In lieu of TNI 1.7.1.2.2, the following is required:

20 The phase-shift detection limit of the microscope shall be checked daily or after modification.

21 **1.7.1.3.1 (Requirement)**

22 In lieu of TNI 1.7.1.3.1, the following is required:

23 a) Both Stereo scope and polarized light microscope must be aligned and checked
24 for function and optimized for correct operation before every use by every
25 analyst.

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27 b) Align the polarized light microscope to achieve Kohler Illumination by following
28 these steps:

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30 i) Center the microscope stage;

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32 ii) Ensure that each objective, including the one with center stop, is co-
33 centered with the stage;

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35 iii) Center the field of view; and

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- iv) Check and ensure that the analyzer is perpendicular on the polarizer, using an Amosite standard.
- c) All alignments and function checks must be documented in the proper log book.

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