

INCH POUND

MIL-P-387C  
 INT. AMENDMENT 2 (AR)  
6 July 1994  
 SUPERSEDING  
 INT. AMENDMENT 1 (AR)  
 26 March 1990

## MILITARY SPECIFICATION

 PENTAERYTHRITE TETRANITRATE  
 (PETN)

This Interim Amendment is approved for use within the U.S. Army Armament, Munitions and Chemical Command, with MIL-P-387C dated 8 December 1976.

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1.2 Classification: Delete "Class 1" and substitute "Class 1 to 4".

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- \* Para 4.5.3 Melting Point. Add "or using Differential Scanning Calorimetry (DSC) thermal analysis Method. The peak maximum of the endotherm shall be reported as the melting point." to the end of the paragraph.
- \* Para 4.5.4 Nitrogen Content. Add "or using the Elemental Analyzer Method." to the end of the paragraph.

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- \* Para 4.5.8 Delete "4.5.8 Granulation." and substitute "4.5.8.1 Wet Sieves"
- \* Add new para "4.5.8 Granulation Method."
- \* Add new para:
 

"4.5.8.2 Sonic Sifter Method - Weigh approximately 2-10 gm of the dry sample and re-dry at 70-80 degree C until constant weight is obtained. Preweigh each sieve and the receiving pan. Stack the sieve in size order (coarsest on top). Transfer sample to the top of the coarsest sieve. Place sieve assembly in the Sonic Sifter. Set the SIFT/PULSE MODE dial to a proper amplitude. proper amplitude is

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determined as the minimum level which causes the granules to "dance" on the top sieve. Set timer to 4 minutes. After sifter stops, reweigh each sieve and receiving pan. The portions retained or passed by the various sieve shall be calculated to a percentage basis (+/-0.1%)."

CALCULATION:

Retained, percent =  $A/W * 100$

Through, percent =  $(W-(A+B))/W * 100$

Where: A = Weight retained on specified sieve, gm.

B = Weight retained on sieves nested above specified sieve, gm.

W = Weight of specimen, gm."

The margins of this amendment are marked with an asterisk or vertical lines to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

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