



PIA-TEST METHOD-2611C
24 May 2010

Superseding
PIA-TEST METHOD-2611B
04 May 2007

The following commercial specification is adopted from the military document. Revision A includes all known accepted revisions, amendments, notices, and Department of Defense (DoD) engineering changes previously developed for this item. Revisions B and forward include changes adopted by DoD and Industry to reflect technology and design evolution.

NONFIBROUS MATERIALS IN COTTON, ENZYME METHOD

The Parachute Industry Association makes this document available for use by Industry and Government organizations that wish to apply this specification to their products.

1. SCOPE

1.1 This method is intended for determining, in cotton or cellulosic mixture yarns or cloths, the amount of sizing, finishing, and other nonfibrous materials, such as oils, fats, waxes, minerals, and other materials which will be removed or determined by chloroform and/or water extraction, hydrolyzed by enzyme action, or remain as inorganic material after exposure to high temperatures. Although this method is intended for the determination of nonfibrous materials in cellulosic textiles, it may be used for determining the extractable and nonfibrous materials content of certain noncellulosic textiles, as specified in the applicable end item specification or procurement document.

1.2 This method is not applicable to the determination of the amount of permanent types of finishes, such as urea condensates, melamine condensates, and substantive or organic finished, or to finishes that are volatile at 230°F (110°C).

2. TEST SPECIMEN

2.1 The specimen shall be approximately 10 g of the material undergoing test. Care should be taken in the preparation and subsequent handling of the specimen, so that loss of material will not occur during test. If the material undergoing test is woven or knitted cloth, the specimen should be cut on the bias and have loose fibers and yarns removed.

2.1.1 When total ash is required, an additional 10 g specimen is required for evaluation.

3. NUMBER OF DETERMINATIONS

3.1 Unless otherwise specified in the procurement document, two specimens shall be tested from each sample unit.

4. APPARATUS AND REAGENTS

DISTRIBUTION STATEMENT: All Rights Reserved. No Part of this publication may be reproduced without prior written permission from Parachute Industry Association. Additional copies may be purchased on-line from the PIA Store: www.pia.com