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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GA 311-2021

**Police shoes - Cotton-padded leather shoes for men
(English Translation)**

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Foreword

All technical content of this document is mandatory.

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules of Standardization Documents" Drafting.

This document replaces GA 311-2010 "Police Shoes Men's Cotton Leather Shoes". Compared with GA 311-2010, except for structural adjustments and editorial changes in addition, the main technical changes are as follows.

- a) The structure and style of leather shoes have been changed (see 3.1, 4.1 in the 2010 edition);
- b) The technical requirements for leather shoe upper materials have been changed (see 3.3, 4.4 in the 2010 edition);
- c) Added leather softness requirements (see 3.3);
- d) The main heel and inner header materials have been changed (see 3.3, 4.4 in the 2010 edition);
- e) The shape of the steel shank has been changed (see 3.3, 4.4 in the 2010 edition);
- f) The outsole material has been changed (see 3.3, 4.4 in the 2010 edition);
- g) Post-finishing requirements have been added (see 3.4.4);
- h) The physical performance requirements have been changed (see 3.6, 4.6 in the 2010 edition);
- i) Added the requirement for bottom peeling strength (see 3.6.3);
- j) The anti-skid performance requirements have been added (see 3.6.5);
- k) The requirements for restricted substances have been added (see 3.7);
- l) Changed the defect classification (see 5.4, 6.4 in the 2010 edition);
- m) Changed batching and sampling (see 5.5, 6.5 in 2010 edition);
- n) Changed the qualification judgment (see 5.6, 6.6 of the 2010 edition);
- o) Modified the technical requirements for shoe last size (see Appendix A, Appendix A of the 2010 edition);
- p) The technical requirements for outsoles have been changed (see Appendix B, Appendix

C of the 2010 edition);

q) Added the technical requirements for flat shearing/sponge flock composite shoe lining (see Appendix C);

r) Key processing equipment has been added (see Appendix D);

s) Added the list of aromatic amines that are not allowed to be decomposed in dyes under reducing conditions (see Appendix F);

t) The anti-skid performance test method has been added (see Appendix G).

1 Scope

This document specifies the requirements, test methods, inspection rules and identification, packaging, transportation and storage of police shoes and men's cotton leather shoes.

This document applies to police shoes and men's cotton shoes.

2 Normative references

The content of the following documents constitutes an indispensable clause of this document through normative references in the text. Among them, dated quotations Only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 2411-2008 Plastic and hard rubber use a durometer to determine the indentation hardness (Shore hardness) GB/T 2910.1-2009 Quantitative Chemical Analysis of Textiles Part 1: General Test Rules GB/T 2910.4-2009 Quantitative Chemical Analysis of Textiles Part 4: Mixture of Certain Protein Fibers and Certain Other Fibers Compound (hypochlorite method) GB/T 2910.24-2009 Quantitative Chemical Analysis of Textiles Part 24: Mixtures of Polyester Fibers and Certain Other Fibers (Phenol/tetrachloroethane method) GB/T 2912.1-2009 Determination of formaldehyde in textiles Part 1: Free and hydrolyzed formaldehyde (water extraction method) GB/T 3293.1 shoe size GB/T 3294 Shoe last size detection method GB/T 3903.1-2017 Footwear Test Method for Folding Performance GB/T 3903.2-2017 Test method for whole footwear and wear resistance GB/T 3903.3-2011 Footwear Test Method for Whole Footwear Peel Strength GB/T 3903.4-2017 Test method for whole footwear hardness GB/T 3903.5-2011 Footwear Test Method for Whole Shoe Sensory Quality GB/T 3920-2008 Textile Color Fastness Test Color Fastness to Rubbing GB/T 6343-2009 Determination of Apparent Density of Foam Plastic and Rubber GB/T 6682-2008 Analytical laboratory water specifications and test methods GB/T 9867-2008 Determination of abrasion resistance of vulcanized rubber or thermoplastic rubber (rotating roller abrasion machine method) GB/T 17592-2011 Determination of banned azo dyes in textiles GB/T.19941.2-2019 Determination of formaldehyde content in leather and fur Part 2: Spectrophotometric method GB/T.19942-2019 Leather and fur chemical test

determination of banned azo dyes GB/T 22049 Footwear, and footwear components,
environmental regulation and test standard environment GB/T 22807-2019 Leather and fur
chemical test Determination of hexavalent chromium content. Spectrophotometric method
GB/T 23344-2009 Textiles-Determination of 4-aminoazobenzene GB/T 24218.1-2009
Textile nonwovens test methods Part 1: Determination of mass per unit area GB/T
35762-2017 Textile heat transfer performance test method Flat plate method GB/T
38408-2019 Leather Material Identification Microscope Method