

ICS 61.060
CCS Y 78



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

GB/T 3903.19-2008

**Footwear -- Test methods for accessories: Metallic accessories
-- Corrosion resistance**

鞋类 金属附件试验方法 耐腐蚀性

(English Translation)

Issued on: June 18, 2008

Implemented on: May 1, 2009

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine**

Table of Contents

Foreword...	3
1 Scope...	4
2 Terms and definitions...	4
3 Principle...	4
4 Apparatus, materials and reagents...	5
5 Test specimen...	5
6 Conditioning...	6
7 Procedure...	6
8 Calculation and expression of results...	8
9 Test report...	8

Foreword

This Part of GB/T 3903 identically adopts the International Standard ISO

22775.2004 Footwear - Test methods for accessories. Metallic accessories -

Corrosion resistance (English version). They are exactly identical in technical content. This Part of GB/T 3903 only makes the following editorial modifications.

a) modified "this European Standard" to "this Part of GB/T 3903" (Translator

Note: Original text in Chinese is European Standard);

b) deleted the foreword of ISO 22775.2004;

c) deleted the table of contents of ISO 22775.2004;

d) modified the density unit from "g/dm³" to "g/L".

This Part was proposed by China Light Industry Association.

This Part shall be under the jurisdiction of National Technical Committee on

Footwear of Standardization Administration of China.

The drafting organizations of this Part. China Institute of Leather and Footwear Industry, Cornell Group Limited.

Main drafters of this Part. Zhang Weijuan, Dai Jinqing.

Footwear - Test methods for accessories.

Metallic accessories - Corrosion resistance

Warning. the user of this Part of GB/T 3903 should have practical experience in regular laboratory. This Part does not point out all the possible safety problems. The user shall have responsibility to take appropriate safety and healthy measures, in accordance with relevant regulations.

1 Scope

This Part of GB/T 3903 specifies two methods for determining the propensity of a metal surface to either change visually due to contamination by atmospheric pollution (Method 1. sulphide tarnishing), or to corrode due to the action of salt water (Method 2. salt water corrosion).

This Part is applicable to metallic accessories of footwear irrespective of the kind.

2 Terms and definitions

For the purposes of this Part of GB/T 3903, the following term and definition applies.

2.1 corrosion resistance

propensity of a metal surface either not to change visually due to chemical attack by atmospheric pollution, or not to be altered due to the action of salt water

3.1 Method 1

A test specimen is stored in a moist atmosphere containing a low concentration of hydrogen sulphide gas for 1 h. The specimen is then assessed subjectively for signs of discoloration.

3.2 Method 2

Cotton lawn, saturated with sodium chloride solution, is wrapped around a test

.....