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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA/T 419-2018

General specifications for cyanoacrylate fuming cabinet for fingerprint development in Forensics

法庭科学“502”手印熏显柜通用技术要求

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GA 419-2003 ""502" fingerprinting display cabinet." Compared with GA 419-2003, the main technical changes are as follows.

--- Increased humidity retention function (see 5.2);

--- Added purification function (see 5.2);

--- Added "Humidity sensor should be configured in the smoker cabinet" (see 5.4.2);

--- Added "gas uniformity control in the cabinet" (see 5.4.3);

---Modified standard name (see cover, cover of 2003 edition);

---Modified the surface temperature range of alpha-cyanoacrylate electric heater, the surface temperature of alpha-cyanoacrylate electric heater the degree "50 °C ~ 130 °C" is changed to the range of "50 °C ~ 130 °C" (see 5.4.1, 5.4.1 of the 2003 edition);

---Modified the relative humidity range in the cabinet, and changed the relative humidity range "70%~85%" in the cabinet to "65%~95%" (see 5.4.2, 5.4.2 of the 2003 edition);

--- Removed "fatigue of the cabinet door" (see 5.7 of the 2003 edition).

This standard is proposed by the National Criminal Technology Standardization Technical Committee Criminal Technology Products Subcommittee (SAC/TC179/SC8) and return to the mouth.

This standard was drafted. Ministry of Public Security Material Identification Center, Beijing Brant Police Equipment Co., Ltd.

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1 Scope

This standard specifies the technical requirements, test methods, inspection rules and signs, packaging, transportation and storage of the "502" hand-printed smoke display cabinet.

This standard applies to the "502" hand-printed smoke display cabinet.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2423.1-2008 Environmental testing of electric and electronic products - Part 2. Test methods Test A. Low temperature GB/T 2423.2-2008 Environmental testing of electrical and electronic products - Part 2. Test methods Test B. High temperature GB/T 2423.3-2016 Environmental testing - Part 2. Test method test Cab. constant damp heat test GB/T 2423.10-2008 Environmental testing of electric and electronic products - Part 2. Test method test Fc. Vibration (sinusoidal) GB/T 9969-2008 General instructions for the use of industrial products

3 Terms and definitions

The following terms and definitions apply to this document.

"502" handprint smoked display cabinet cyanoacrylatefumingcabinetforfingerprintdevelopment A device for visualizing potential sweat fingerprints that humidifies, humidity-controlled, alpha-cyanoacrylate in a closed compartment Heating gasification, gas circulation homogenization, gas purification, etc., to create the best for the alpha-cyanoacrylate molecule to sweat fingerprint line polymerization condition.

4 Normal working conditions

The normal working conditions of the "502" hand-printed smoked display cabinet (hereinafter referred to as the smoked display cabinet) should meet the following requirements.

a) Input power. AC220V±22V;

b) Frequency. 50Hz ± 5Hz;

c) Ambient temperature. 10 ° C ~ 40 ° C;

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d) Relative humidity. < 95%;

e) no flammable, explosive, corrosive gases and conductive dust around;

f) The laboratory environment is well ventilated.

5.1 Appearance

5.1.1

The surface of the smoked display cabinet should be smooth and smooth, without obvious scratches, cracks, rust and rust.

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