

JJF

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

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**Program of Pattern Evaluation of Sulfur Hydrogen Gas
Analyzers
(English Translation)**

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1 Scope

This program of pattern evaluation is applicable to the pattern evaluation of sulfur hydrogen gas instruments (which consists of sulfur hydrogen gas detection alarm instrument and sulfur hydrogen gas detector, hereinafter referred to as "instrument").

2 Normative References

JJG 695-2003 "Verification Regulation of Sulfur Hydrogen Gas Detectors"

GB/T 11606-2007 "Methods of Environmental Test for Analytical Instruments"

GB 12358-2006 "Gas Monitors and Alarms for Workplace-General Technical Requirements"

GB/T 17626.2-2006 "Electromagnetic Compatibility - Testing and Measurement Techniques-Electrostatic Discharge Immunity Test"

GB/T 17626.3-2006 "Electromagnetic Compatibility - Testing and Measurement Techniques-Radiated Radio-frequency Electromagnetic Field Immunity Test"

GB/T 17626.4-2008 "Electromagnetic Compatibility - Testing and Measurement Techniques-Electrical Fast Transient/Burst Immunity Test"

The provisions of above normative documents, through reference in this program, constitute provisions of this program. For dated references, subsequent amendments to

(excluding any correction) or revisions are not applicable to this program. However, parties who mutually agree to this program are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the respective normative document is applicable to this program.

3 General

Testing principle of instrument mainly consists of electrochemical profile and optical profile. The instrument mainly consists of transducer, amplifying circuit and display unit. It may be classified into non-continuous measuring instrument and continuous measuring instrument according to operating conditions; classified into diffusion type and inhalation type according to sampling type; or classified into portable type and fixed type according to the usage mode.

4 Technical Data and Experimental Prototype Submitted by

Application Organization

4.1 Technical Data

- a) Prototype photo;
- b) Product standard (including inspection method);
- c) General assembly drawing, circuit diagram and drawing of key parts;
- d) Instruction for use;
- e) Test report by manufacturer or technical organization;
- f) Explosion proof certificate shall be provided where the products are indicated with function of explosion proof.

4.2 Experimental Prototype

The Application Organization shall provide the prototypes it manufactured and file an application for a single product or series products. In case of application for single product, three prototypes shall usually be provided (portable prototype); six fixed prototypes, of which any three are used for long term stability test (fixed prototype). In case of application for series product, one third of the products, capable of representing product specifications, are sampled out of each series of products; the quantity of experimental prototypes of each specification shall follow "application for...

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