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

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**Chemicals - Surface water-sediment *Misgurnus
anguillicaudatus* toxicity test**

化学品 地表水系统-沉积物中泥鳅毒性试验

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting is required.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed and coordinated by the National Technical Committee on Hazardous Chemicals Management Standardization (SAC/TC 251).

This document was drafted by: Chinese Academy of Environmental Sciences, Nankai University, China Inspection and Testing (Tianjin) Co., Ltd., Nanchang University, Ocean University of China, Nanjing University.

The main drafters of this document are: Liu Zhengtao, Li Ji, Zhu Lingyan, Zhang Yanfeng, Wang Xiaonan, Yan Zhenguang, Chen Huiming, Zhou Lili, Ge Gang, Li Zhengyan, Wang Shanghong, Wang Zunyao, Sun Cheng, and Zheng Xin.

Chemicals Surface water systems ? Sediment Loach Toxicity test

1 Scope

This document describes the test principle, test substance information, instrumentation, test equipment, and test methods for the chemical surface water system-sediment toxicity test of loach Test systems, test procedures, quality assurance and quality control, data and reporting.

This document is applicable to the testing of toxic effects of chemicals on benthic organisms such as loaches in surface water environments, but not to the testing of volatile substances.

2 Normative references

GB/T 5750.4

GB/T 11901

GB 17378.5

3 Terms and definitions

The terms and definitions defined in HJ 1257 and the following apply to this document.

3.1 Overlying water

The water in the test container that is above the sediment.

3.2 interstitial water or pore water

Water that occupies the spaces inside sediment or soil particles.

3.3 formulated sediment

A mixture of materials used to simulate the composition of natural sediments.

Note. Also called reconstructed or synthetic sediments.

3.4 Spiked sediment

Sediment to which the test substance was added.

3.5 median lethal concentration; LC50

The concentration of the target test chemical that causes half of a group of test organisms to die.