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(JIWA/JSA)

Testing methods for pesticides in industrial water and waste water

ICS 13.060.50; 65.100

Descriptors : pesticides, industrial water pollutants, trade effluents, water testing, chromatography

Reference number : **JIS K 0128 : 2000 (E)**

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee, as the result of proposal for revision of Japanese Industrial Standard submitted by the Japan Industrial Water Association (JIWA)/the Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. Consequently **JIS K 0128** : 1994 is replaced with this Standard.

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

Contents

Testing methods for pesticides in industrial water and waste water

Introduction This Japanese Industrial Standard was established in 1994 on pesticides in industrial water and waste water. In consideration of demands following advance of analytical technique, change of social situation and the like, this Standard has been revised.

1 Scope This Standard specifies the testing methods for pesticides shown in Attached Table 1 among those likely to be contained in industrial water and waste water.

Remarks 1 Attached Table 2 shows the outline of each testing method stated in this Standard.

2 Attached Table 3 shows the structural formula of each pesticide in Attached Table 1.

2 Normative references The standards given in Attached Table 4 contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) shall apply.

3 General matters The general matters shall be as follows.

a) **General rule** General rule in chemical analyses shall comply with **JIS K 0050**.

b) **Definitions** For the purposes of this Standard, the definitions in **JIS K 0101**, **JIS K 0102**, **JIS K 0211**, and **JIS K 0215** apply.

c) **Gas chromatography** General matters in GC shall comply with **JIS K 0114**.

d) **Gas chromatography-mass spectrometry (GC/MS)** General matters in GC/MS shall comply with **JIS K 0123**.

e) **High-performance liquid chromatography (HPLC)** General matters in HPLC shall comply with **JIS K 0124**.

f) **Name for items** Names for items in this Standard are expressed in the internal common names shown in Attached Table 1. They conform to **ISO**-registered pesticide names except for EPN which is used inland. Some names conform to trade-registered pesticide names. Further, some trivial names are used as compound names.

Compound name used in "Chemical Abstracts Index Guide 9th, 10th" is appended to the internal common name in parentheses in each item.

g) **Determination range** Determination range shown in each testing method shall be expressed in the units of mass (ng) of the target pesticide contained in the solvent to be injected.

h) **Repeatability** Repeatability shown in each testing method shall be expressed in the coefficient of variation (%) obtained from the tests repeated in the determination range(1).