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

HJ 568-2010

**Farmland environmental quality evaluation standards for
livestock and poultry production
(English Translation)**

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Foreword

To implement the "Environmental Protection Law of the People's Republic of China", implement the State Council's spirit of protecting the quality and safety of agricultural products, and prevent environmental pollution Dyeing, protecting human health, protecting the ecological environment, and developing this standard.

This standard is one of the evaluation criteria for the environment of edible agricultural products. The environmental protection department at or above the county level is in the environmental supervision of edible agricultural products.

In the work, the environmental conditions of the edible agricultural products can be evaluated by referring to the indicators and monitoring and evaluation methods in the series of standards.

This standard serves as a technical specification for evaluating environmental conditions, mainly based on the Ambient Air Quality Standard (GB 3095) and Acoustic Environmental Quality.

Environmental quality standards such as Standard (GB 3096), Farmland Irrigation Water Quality Standard (GB 5084), and Soil Environmental Quality Standard (GB 15618)

Accurate and environmental requirements in relevant standards such as livestock and poultry breeding standards, and put forward environmental quality indicators for livestock and poultry breeding areas, Monitoring and evaluation methods have been established.

This standard was formulated by the Science and Technology Standards Department of the Ministry of Environmental Protection.

This standard is mainly drafted by. Beijing University of Aeronautics and Astronautics, Beijing Normal University.

This standard was approved by the Ministry of Environmental Protection on April 16, 2010.

This standard has been implemented since July 1, 2010.

This standard is explained by the Ministry of Environmental Protection.

Animal and poultry breeding environment environmental assessment norms

1 Scope of application

This standard specifies the water environmental quality, soil environmental quality, ambient air quality and acoustic environmental quality evaluation of various livestock and poultry breeding areas.

Standards, limits, monitoring and evaluation methods.

This standard is applicable to the environmental quality assessment and management of aquaculture farms, breeding communities and grazing areas in China.

This standard only applies to livestock and poultry farms, livestock and poultry breeding areas and grazing areas permitted by law.

This standard does not apply to the environmental quality assessment and management of livestock and poultry products processing and production sites.

2 Normative references

The contents of this standard refer to the following documents or their terms. For undated references, the valid version applies to this standard.

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GB 3095 Ambient Air Quality Standard GB 3096 Acoustic Environmental Quality Standard
GB 6920 Determination of pH of water - Glass electrode method GB 7467 -- Determination of hexavalent chromium -- Dibenzoyl hydrazide spectrophotometric method GB 7468 -- Determination of total mercury in water -- Cold atomic absorption spectrophotometric method GB 7469 Determination of total mercury in water -- Potassium permanganate - potassium persulfate digestion method - Dithizone spectrophotometric method GB 7470 Determination of lead in water - Dithizone spectrophotometric method GB 7471 Determination of cadmium in water -- Dithizone spectrophotometric method GB 7472 -- Determination of zinc in water -- Dithizone spectrophotometric method GB 7475 - Determination of copper, zinc, lead and cadmium - Atomic absorption spectrophotometric method GB 7480 - Determination of nitrate nitrogen - phenol disulfonic acid spectrophotometric method GB 7484 Determination of fluoride in water quality - Ion

selective electrode method GB 7485 -- Determination of total arsenic in water - s.

GB 7489 Determination of dissolved oxygen in water - Iodometric method GB 7492 Water quality hexachlorocyclohexane, determination of DDT - Gas chromatography Water quality -- Determination of anionic surfactants -- Determination of methylene blue spectrophotometric method GB 7959 fecal harmless hygiene standard GB 8172 Urban Waste Agricultural Control Standard GB 11890 Water quality - Determination of benzene series - Gas chromatography Determination of Kjeldahl nitrogen in water quality GB 11891 GB 11893 Determination of total phosphorus in water - Ammonium molybdate spectrophotometric method GB 11896 Determination of chlorides - Determination of silver nitrate titration GB 11898 Determination of free chlorine and total chlorine -- Determination of N,N-diethyl-1,4-phenylenediamine spectrophotometric method GB 11899 Determination of sulfate in water quality GB 11901 Determination of suspended solids by weight method GB 11902 Determination of selenium in water - 2, 3- dinaphthalene GB 11914 Determination of chemical oxygen demand in water - Dichromate method GB 13195 Determination of water quality and water temperature Thermometer or reverse thermometer method GB/T 5750 Standard for the inspection of sanitary standards for drinking water GB/T 13896 Determination of lead in water quality by polarography GB/T 14550 Determination of soil quality BHC and DDT - Gas chromatography GB/T 14669 Determination of air quality ammonia - Ion selective electrode method GB/T 14675 Air quality odor determination three-point comparison odor bag method GB/T 14678 Determination of air quality hydrogen sulfide, methyl mercaptan, methyl sulfide and dimethyl disulfide - Gas chromatography GB/T 16488 -- Determination of petroleum and animal oils GB/T 16489 Determination of sulphide content -- Methylene blue spectrophotometric method GB/T 17134 Determination of total arsenic in soil quality - Diethyldithiocarbamate silver spectrophotometric method GB/T 17135 Determination of total arsenic in soil quality - Potassium borohydride - silver nitrate spectrophotometric method GB/T 17136 Determination of total mercury in soil mass - Cold atomic absorption spectrophotometric method GB/T 17138 Determination of copper and zinc - Flame atomic absorption spectrophotometric method GB/T 17139 Determination of nickel in soil quality - Flame atomic absorption spectrophotometric method GB/T 17140 Determination of lead and cadmium in soil quality KI-MIBK extraction flame atomic absorption spectrophotometric method GB/T 17141 Determination of lead and cadmium content by graphite furnace atomic absorption spectrophotometric method GB/T 17824.4 Medium and small intensive pig farm environmental parameters and environmental management GB/T 18204.24 Method for determination of carbon dioxide in air of public places HJ 484 Determination of water cyanide volumetric method and spectrophotometric method Water quality - Determination of copper - diethyldithiocarbamate spectrophotometric method Water quality -- Determination of copper 2,9-dimethyl-1,10-phenanthroline spectrophotometric method HJ 487 Determination of fluoride in water quality - Zirconium sulphonate HJ 488 - Determination of fluoride in water - Fluor HJ 491 Determination of total chromium in soil

quality - Flame atomic absorption spectrophotometric method HJ 502 Determination of volatile phenols in water HJ 503 Determination of volatile phenols in water - 4-aminoantipyrine spectrophotometric method HJ 505 Water quality five-day biochemical oxygen demand (BOD₅) determination dilution and inoculation method HJ 506 Determination of dissolved oxygen in water - Electrochemical probe method HJ 533 Determination of ambient air and exhaust ammonia - Nessler reagent spectrophotometry HJ 534 Determination of ambient air ammonia - Sodium hypochlorite - salicylic acid spectrophotometric method HJ/T 49 Determination of boron in water quality - Curcumin spectrophotometric method HJ/T 50 Water quality - Determination of trichloroacetaldehyde - Pyrazolone spectrophotometric method HJ/T 51 Determination of the total salt content of water HJ/T 60 Determination of water quality sulfides - Iodometric method HJ/T 91 Surface Water and Wastewater Monitoring Technical Specifications HJ/T 164 Technical Specifications for Groundwater Environmental Monitoring HJ/T 166 Technical Specifications for Soil Environmental Monitoring HJ/T 193 Technical Specifications for Automatic Monitoring of Ambient Air Quality HJ/T 194 Technical Specifications for Manual Air Quality Monitoring HJ/T 195 Determination of ammonia nitrogen in water quality - Gas chromatography HJ/T 200 Determination of water quality sulfides HJ/T 342 Determination of sulphate spectrophotometric method (Trial) HJ/T 343 Determination of Chloride in Water - Mercury Titration (Trial) HJ/T 346 Determination of nitrate nitrogen - Ultraviolet spectrophotometric method (Trial) HJ/T 347 Determination of water-based fecal coliforms - Multi-tube fermentation method and membrane method (Trial) HJ/T 399 Water quality chemical oxygen demand determination - Rapid digestion spectrophotometric method

3 Terms and definitions

The following terms and definitions apply to this standard.

Livestock and poultry farm livestock and poultry farm Refers to the place where the livestock and poultry breeding activities are carried out, and the inventory amount meets the standards for large-scale farming stocks stipulated by the provincial people's government.

Livestock and poultry area it refers to the principle of centralized construction of livestock and poultry housing and household households in captivity, in accordance with the principle of separation of livestock and poultry breeding places and residential areas.

Demarcated by the local people's government, village committees, rural collective economic organizations, animal husbandry cooperative economic organizations, or specialized in livestock and poultry production Leading enterprises in production and operation are set up in accordance with relevant regulations, and are engaged in livestock and poultry breeding activities and their stocks meet the requirements of the provincial people's government.

The area of large-scale farming stock standards.