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**National Occupational Health Standard of the
People's Republic of China**

中华人民共和国国家职业卫生标准

GBZ 2.2-2007

Replace GBZ 2-2002

**Occupational Exposure Limits for Hazardous
Agents in the Workplace—Part 2: Physical
Agents**

**工作场所有害因素职业接触限值
第 2 部分：物理因素**

Issued on: April 27, 2007

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Issued by Ministry of Health of the People's Republic of China

Foreword

Content of Chapter 13, Chapter 14 and Chapter 15 of this part is recommended and the rest of this part is mandatory.

This revision divides GBZ 2-2002 “Occupational Exposure Limit for Hazardous Agents in the Workplace” into GBZ 2.1 “Occupational Exposure Limit for Hazardous Agents in the Workplace—Part 1: Chemical Hazardous Agents” and GBZ 2.2 “Occupational Exposure Limit for Hazardous Agents in the Workplace—Part 2: Physical Agents”. The corresponding contents in GBZ 2-2002 will be abolished since the implementation date of this part.

There are major differences from GBZ 2-2002 in the following aspects:

——Delete the hygienical evaluation standard for heat stress work gradate and heat stress workplace meteorological condition.

——Add the Power frequency electric field of no ionizing radiation, ultra high frequency radiation, electromagnetic field of high frequency, exposure limit of microwave radiation and the exposure limit of noise.

——Adjust the exposure limits of high temperature, hand-operated vibration.

——Revise the measuring method of physical agents in workplace into an independent standard GBZ/T 189-2007 “Measurement of Physical Agents in Workplace”.

——Chapter 13, Chapter, 14 and Chapter 15 are changed into recommended provisions.

In this part, Appendix A is a normative and Appendix B is informative.

This part is proposed by Committee of Occupational Health Standards of Ministry of Health.

This part is approved by the Ministry of Health of the People's Republic of China.

Chief drafting organizations of this part: School of Public Health, Peking University, National Institute of Occupational Health and Poison Control of Chinese Center for Disease Control and Prevention (CDC), School of Public Health of Huazhong University of Science And Technology, School of Public Health of Fudan University, Government Owned Hongsheng Apparatus Factory-Jiaxing Branch Factory, Hangzhou Aihua Instrument Co., Ltd. and Kuisite Technical Co., Ltd.

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The previous editions of the standards replaced by this part are as:

——GBZ 2-2002.

Occupational Exposure Limits for Hazardous Agents in the Workplace

—Part 2: Physical Agents

1 Scope

This part specifies the occupational exposure limits of physical agents in the workplace.

This part is applicable to every kind of workplace where physical agents exist or are generated. It is applicable to the health condition of the workplace, labor condition, the degree of labor contacting physical agents, leakage of production plant, monitoring, assessment, management of the effect of protective measures, supervision of health design of industrial enterprise and occupational health.

This part is not applicable unprofessional contact.

2 Normative References

The following standards contain provisions which, through reference in this part, constitute provisions of this part. For dated references, all subsequent modification or revision (excluding correction contents) are not applicable to this Part. However, all concerned Parties are encouraged to study if the latest editions of these documents can be applied. For undated references, the latest editions of the normative documents are applicable to this part.

GBZ 1 “Hygienic Standards for the Design of Industrial Enterprises”

GBZ 2.1 “Occupational Exposure Limit for Hazardous Agents in the Workplace—Chemical Agents”

GB/T 3947 “Acoustical Terminology”

GBZ/T 189.1 “Measurement of Physical Agents in Workplace—Part 1: Ultra High Frequency Radiation”

GBZ/T 189.2 “Measurement of Physical Agents in Workplace—Part 2: High Frequency Electromagnetic Field”

GBZ/T 189.3 “Measurement of Physical Agents in Workplace—Part 3: Power Frequency Electric Field”

GBZ/T 189.4 “Measurement of Physical Agents in Workplace—Part 4: Laser Radiation”

GBZ/T 189.5 “Measurement of Physical Agents in Workplace—Part 5: Microwave Radiation”

GBZ/T 189.6 “Measurement of Physical Agents in Workplace—Part 6: Ultraviolet Radiation”

GBZ/T 189.7 “Measurement of Physical Agents in Workplace—Part 7: Heat Stress”

GBZ/T 189.8 “Measurement of Physical Agents in Workplace—Part 8: Noise”

GBZ/T 189.9 “Measurement of Physical Agents in Workplace—Part 9: Hand-transmitted Vibration”

GB/ZT 189.10 “Measurement of Physical Agents in Workplace—Part 10: Classification of Physical Workload”



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