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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC  
OF CHINA

**中华人民共和国国家标准**

GB 9078-1996

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**Emission standard of air pollutants for  
industrial kiln and furnace**

**工业炉窑**

**大气污染物排放标准**

Issued on March 07, 1996

Implemented on January 01, 1997

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Issued by State Department of Environmental Conservation

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## Foreword

We have formulated the standard according to the provisions of Article 7 of Prevention and Cure Law for Air Pollution of the People's Republic of China.

The standard is revised based on the former Industrial furnaces smoke emission standards (GB 9078—88) and other industrial national air pollutants emission relevant standards (about industrial furnace). The standard has inherited some technical contents from all original standards, also has been revised and changed greatly.

The standard specifies the smoke dust concentration (powder) and smoke blackness of 10 types 19 kinds of industrial furnaces, the maximum acceptable emission concentration (or emission limit) and unorganized emissions smoke dust (powder) maximum allowable concentration of 6 kinds of harmful pollutants.

Implementation date of the standard is on January 1, 1997.

Starting from the date of implementation of the standard, meanwhile replaces the:

GB 4286-84 Emission standards for pollutants from shipbuilding industry (related industrial furnaces parts)

GB 4911-85 Emission standards for pollutants from iron and steel industry (related industrial furnaces parts)

GB 4912-85 Emission standards for pollutants from light metal industry (related industrial furnaces parts)

GB 4913-85 Emission standards for pollutants from heavy non-ferrous metal industry (related industrial furnaces parts)

GB 4916-85 Emission standards for pollutants from asphalt industry (related industrial furnaces parts)

GB 9078-88 Standard of smoke and dust emission for industrial kiln and furnace

Since implementation date of this standard, GB 9078-88 will be abolished, at the same time, above related industrial furnaces parts shall be abolished.

This Standard is proposed by Technology Standard Department of State Department of Environmental Conservation.

This Standard is interpreted by State Department of Environmental Conservation.

# National Standard of the People's Republic of China

## Emission Standard of

### Air Pollutants for Industrial Kiln and Furnace

GB9078 -1996

Replace GB 4286-84, GB 4911-85

GB 4912-85, GB 4913-85

GB 4916-85, etc. (industrial kiln and furnace parts) and GB 9078-88

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#### **1 Scope**

This standard specifies, according to the service life of industrial kiln and furnace, the maximum permissible emission concentration of the fume, productive dust and harmful pollutants, and the emission limit of flue gas blackness.

This standard shall be applicable to the management of industrial kilns and furnaces that use solid fuel, liquid fuel, gas fuel and electricity (coke-oven, incinerator and cement industry excluded), and the evaluation of environment impact, the design and completion acceptance of the construction project of industrial kilns and furnaces, and the emission control after their completion.

#### **2 Reference Standard**

The articles referred in the following standards have become part of this standard.

GB3095 -1996 Ambient Air Quality Standard

GB/T16157 -1996 The Determination of Particulate and Sampling Methods of Gaseous Pollutants Emitted from Exhaust Gas of Stationary Source

#### **3 Definition**

The definitions in this standard are as follows:

##### **3.1 Industrial Kiln and Furnace**

The industrial kiln and furnace refer to the thermal equipment in the industrial production that uses heat produced by burning fuel or electrical conversion for the processes of smelting, roasting, sintering, melting and heating of the material or workpiece.



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