



GB 5749-2022

Standards for Drinking Water Quality

生活饮用水卫生标准

General Administration of Quality Supervision,
Inspection and Quarantine of the People's Republic of China
Standardization Administration of the People's Republic of China

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National Standard of the People's Republic of China

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Foreword

This standard is formulated by reference to GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

This standard replaces GB 5749-2006 "Sanitary standard for drinking water". Compared with GB 5749-2006, the major technical changes of this standard are as follows except for structural adjustment and editorial changes:

a) the water quality indices have been adjusted from 106 items in GB 5749-2006 to 97 items, including 43 items of regular indices and 54 items of expanded indices (see Chapter 4). Among them:

- 4 indices have been added, including perchlorate, acetochlor, 2-methylisoborneol and geosmin;
- 13 indices have been deleted, including thermostable coliform, chloral, sulfide, cyanogen chloride (as CN-), BHC (total), parathion, methyl parathion, lindane, DDT, formaldehyde, 1,1,1-trichloroethane, 1,2-dichlorobenzene and ethylbenzene;
- the names of 3 indices have been changed, including that the name of oxygen consumption (CODMn method, as O₂) has been revised to permanganate indices (as O₂), that of ammonia nitrogen (as N) has been revised to ammonia (as N) and 1,2-dichloroethylene has been revised to 1,2-dichloroethylene (total);
- the limit values of 8 indices have been changed, including nitrate (as N), turbidity, permanganate indicator (as O₂), free chlorine, boron, vinyl chloride, trichloroethylene and dimethoate;
- the specific requirements of total β radioactivity indices for nuclide analysis and evaluation as well as the application of microcystin-LR indices have been added;
- the interim provisions on some water quality indices and limits of small centralized water supply and decentralized water supply have been deleted (see Chapter 4, 2006 edition).

b) the water quality reference indices have been adjusted from 28 items in GB 5749-2006 to 55 items (see Annex A). Among them:

- 29 indices have been added, including vanadium, BHC (total), parathion, methyl parathion, lindane, DDT, trichlorfon, thiophanate-methyl, isoprothiolane, trifluralin, metalaxyl, simetryne, acephate, formaldehyde, chloral, cyanogen chloride (as CN-), nitrosodimethylamine, iodoacetic acid, 1,1,1-trichloroethane, ethylbenzene, 1,2-dioxybenzene, perfluorooctanoic acid, perfluorooctane sulfonic acid, dimethyl disulfide, dimethyl trisulfide, iodide, sulfide,

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