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У тебя нет ни вкуса, ни запаха, тебя не опишешь, тобой наслаждаешься, не понимая, что ты такое. Ты не просто необходима для жизни, ты и есть сама жизнь… Ты нам возвращаешь силы и свойства, на которых мы уже поставили было крест».* | | *Антуан де Сент-Экзюпери* | |  |  |  |  | | --- | --- | | **Безвредность питьевой воды по химическому составу определяется ее соответствием следующим показателям:** | | |  | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | Показатели | Предельно допустимые концентрации (ПДК), мг/л | Класс опасности | Предел обнаружения в Аналитической лаборатории, мг/л | Примечания | | ***Обобщенные показатели*** | | | | | | рН | 6 – 9 | - | - | Низкое значение увеличивает коррозивность воды, высокое вызывает мыльный привкус | | Общая минерализация (сухой остаток) | 1000 (1500) | - | - | - | | Жесткость общая | 7,0 (10,0) ммоль/л | - | - | Низкая жесткость увеличивает коррозивность воды, при высокой образуется накипь | | Окисляемость  перманганатная | 5,0 | - | - | - | | Нефтепродукты,  суммарно | 0,1 | - | 0,01 | - | | Поверхностно-активные вещества (ПАВ), анионоактивные | 0,5 | - | 0,02 | Вызывает привкус, запах, пенообразование | | Фенольный индекс | 0,25 | - | 0,001 | - | | ***Неорганические вещества*** | | | | | | Al | 0,5 | 2 | 0,02 | Вызывает образование осадка | | Be | 0,0002 | 1 | 0,00005 | - | | B | 0,5 | 2 | 0,05 | - | | Fe | 0,3 | 3 | 0,01 | Вызывает образование осадка, окрашивание посуды | | Cd | 0,001 | 2 | 0,0001 | - | | Mn | 0,1 | 3 | 0,01 | Вызывает образование осадка, окрашивание посуды | | Cu | 1,0 | 3 | 0,01 | Вызывает привкус, окрашивание посуды | | Mo | 0,25 | 2 | 0,01 | - | | As | 0,05 | 2 | 0,005 | - | | Ni | 0,1 | 3 | 0,01 | - | | NO 3 | 45,0 | 3 | 0,5 | - | | Hg | 0,0005 | 1 | 0,0001 | - | | Pb | 0,03 | 2 | 0,001 | - | | Se | 0,01 | 2 | 0,0002 | - | | Sr | 7,0 | 2 | 0,01 | - | | SO 4 | 500 | 4 | 2,0 | Вызывает привкус | | F | 1,5 | 2 | 0,10 | - | | Cl | 350 | 4 | 1,0 | Вызывает привкус, коррозию | | Cr(VI) | 0,05 | 3 | 0,005 | - | | Cr(III) | 0,5 | 3 | 0,005 | - | | Zn | 5,0 | 3 | 0,01 | Вызывает привкус | | V | 0,1 | 3 | 0,01 | - | | Ag | 0,05 | 2 | 0,005 | - | | Li | 0,03 | 2 | 0,01 | - | | Rb | 0,1 | 2 | 0,01 | - | | Co | 0,1 | 2 | 0,01 | - | | Si | 10,0 | 2 | 0,05 | - | | Na | 200 | 2 | 1,0 | Вызывает привкус | | Br | 0,2 | 2 | 0,10 | - | | NO 2 | 3,0 | 2 | 0,003 | - | | NH 4 | 2,5 | - | 0,05 | Вызывает запах и привкус | | РО 4 | 3,5 | 3 | 0,01 | - | | ***Органолептические показатели*** | | | | | | Мутность | 1,5 | - | 0,1 | - | | Цветность | 20 ° | - | 1,0 | - | | Запах | 2 балла | - | - | - | | Привкус | 2 балла | - | - | - | | | | ***Классы опасности веществ:*** |  | | *1 класс* – чрезвычайно опасные; *2 класс* – высокоопасные; *3 класс* – опасные; *4 класс* – умеренно опасные. |  | | |