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| **Чистая вода**

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| *«Вода! 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* |
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| **Безвредность питьевой воды по химическому составу определяется ее соответствием следующим показателям:** |
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| --- | --- | --- | --- | --- |
| 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. |  |

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