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What Do We Find in Tap Water?

OVER 267 TOXINS FOUND IN PUBLIC TAP WATER

Many people give their pets water straight from their tap, assuming it to be safe because it looks clear and tastes normal, not tasting the toxins that could potentially be found within the tap water. Research from the Environmental Working Group (EWG) revealed hundreds of chemicals coming out of the average U.S. faucet. While the Safe Drinking Water Act was put into place in 1974 to presumably keep American water safe, many more chemicals are in tap water now. None of these have been added to the list of regulated chemicals in drinking water since 1996. What the EWG is concerned about is the long-term exposure to these chemicals. You can go onto www.ewg.org to check your tap water in the database (last update was 2021). You can also research within the site the following: The State of American Drinking Water, Nitrate in Tap Water, PFAS in Tap Water and EWG Water Filter Guide and New Water Frameworks.

Of the Common Chemicals found within Tap Water: (Research on what these chemicals do is largely done with animal testing)

93 Linked to an increased risk of cancer

78 Associated with brain and nervous system damage

63 Connected to developmental harm to children or fetuses

38 May cause fertility problems

45 Linked to hormonal disruption.

The 11 most frequently detected medications were:

Atenolol: Pets- this has been found to help treat heart disease.
Humans - a beta-blocker used to treat cardiovascular disease.

Atrazine: an organic herbicide (banned in the European Union which has been implicated in the decline of fish stocks and in changes in animal behavior).

Carbamazepine: Pets - usually use Tegretol which can be used to control simple, partial, complex, and mixed seizures as well as help with chronic nerve pain.
Humans - is used as a mood-stabilizing drug used to treat bipolar disorder along with other mood disorders.

Estrone: Pets - some depend on estrogens for growth, development, and/or behaviors.
Humans - this is important for female sexual development and function.

Gemfibrozil: Pets - a veterinarian might prescribe this type of medication if there is a diagnosis of high cholesterol or high lipid levels in the blood .
Humans - an anti-cholesterol drug.

Meprobamate: Humans - a tranquilizer used in psychiatric treatment.

Naproxen: Pets - it may be used for treatment for inflammation (only through veterinarians due to the high risk of toxicity).
Humans - a pain killer and anti-inflammatory medication (can increase the incidence of asthma).

Phenytoin: Pets - can be used for euthanasia.
Humans - an anticonvulsant used to treat epilepsy.

Sulfamethoxazole: Pets - used to treat infections.
Humans - used as an antibiotic.

TCEP: a reducing agent used in molecular biology.

Trimethoprim: antibiotic (same as Sulfamethoxazole).

Resources:

Environmental Working Group (EWG) www.ewg.org

www.organicconsumers.org by Dr. Joseph Mercola

<https://www.petplace.com/article/drug-library/drug-library/library/carbamazepine-tegretol-for-dogs-and-cats/>

<https://medlineplus.gov/druginfo/meds/a686002.html> Human Resource for Medications

<https://pubmed.ncbi.nlm.nih.gov/9237049/> Human and Pet Resource