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| Stressor | Functional Group | Legislative Limit | Form / Product Code | Bacterial mechanisms of action | Bacterial mechanisms of resistance |
| Chloramphenicol | Antibacterial | 0.05 μg/L  (no legal limit) | Powder, ≥98%  Sigma Aldrich C0378 | Protein synthesis, 50S | Reduced membrane permeability, mutant ribosomes, anti-AB enzymes |
| Ampicillin | Antibacterial | 0.12 μg/L  (no legal limit) | Ampicillin sodium salt  Sigma Aldrich A9518 | Cell wall synthesis | β-lactamase enzymes, efflux |
| Atrazine | Pesticide (herbicide) | 0.25 μg/L  (Tap water) | Powder, analytical  Sigma Aldrich 45330 | Oxidative stress, nitrogen source | Biodegradation |
| Metaldehyde | Pesticide (molluscicide) | 0.5 μg/L  (Tap water) | Powder, analytical  Sigma Aldrich 63990 | Toxicity unknown, possibly carbon/energy source | Biodegradation |
| Copper | Heavy Metal | 2000 μg/l  (Tap water) | Cu(II)Cl2, dihydrate (99%)  Alfa Aesar 12458 | Essential respiratory nutrient, enzymatic disruption | Efflux, chelation, rapid repair, membrane transition |
| Nickel | Heavy Metal | 20 μg/l  (Tap water) | Ni(II)Cl2, anhydrous (98%)  Alfa Aesar B22085 | Enzymatic inhibition, iron/zinc homeostasis disruption, weak oxidative stress, bacterial enzymatic nutrient | Sequestration, efflux, membrane transition |
| Tebuconazole | Antifungal | 1 μg/l  (regulatory acceptable concentration) | Powder, analytical  Sigma Aldrich 32013 | Unknown | Biodegradation |
| Azoxystrobin | Antifungal | 3 μg/l  (regulatory acceptable concentration) | Powder, analytical  Sigma Aldrich 31697 | Unknown | Biodegradation |

Table 1: Summary information on selected chemical stressors.