



**Kvalita pitné vody pro pásma se zdrojem: Želivka**

**Za období: leden 2024 - prosinec 2024**

| Parametr                                | Jednotka   | Průměr | Hygienický limit         |
|-----------------------------------------|------------|--------|--------------------------|
| Clostridium perfringens                 | KTJ/100ml  | 0      | max.0 KTJ/100ml MH       |
| Escherichia coli                        | KTJ/100ml  | 0      | max.0 KTJ(MPN)/100ml NMH |
| intestinální enterokoky                 | KTJ/100ml  | 0      | max.0 KTJ/100ml NMH      |
| koliformní bakterie                     | KTJ/100ml  | 0      | max.0 KTJ(MPN)/100ml MH  |
| počty kolonií při 22°C                  | KTJ/ml     | 8      | max.300 KTJ/ml MH        |
| počty kolonií při 36°C                  | KTJ/ml     | 0      | max.100 KTJ/ml MH        |
| mikroskopický obraz - abioseston        | %          | 2      | max.5 % MH               |
| mikroskopický obraz - počet organismů   | jedinci/ml | 0      | max.50 jedinci/ml MH     |
| mikroskopický obraz - živé organismy    | jedinci/ml | 0      | max.0 jedinci/ml MH      |
| amonné ionty                            | mg/l       | 0,03   | max.0,50 mg/l MH         |
| barva                                   | mg/l Pt    | 2      | max.20 mg/l Pt MH        |
| bromičnany                              | µg/l       | 1,1    | max.10 µg/l NMH          |
| dusičnany                               | mg/l       | 29,2   | max.50 mg/l NMH          |
| dusitany                                | mg/l       | 0,01   | max.0,50 mg/l NMH        |
| fluoridy                                | mg/l       | 0,08   | max.1,5 mg/l NMH         |
| hořčík                                  | mg/l       | 7,9    | 20 - 30 mg/l DH          |
| chlor volný                             | mg/l       | 0,11   | max.0,30 mg/l MH         |
| chlorečnany + chloritany (suma)         | µg/l       | 21,7   | max.250 µg/l NMH         |
| chlorečnany                             | µg/l       | 21,7   | max.250 µg/l NMH         |
| chloridy                                | mg/l       | 22,4   | max.250 mg/l MH          |
| chloritany                              | µg/l       | <10,0  | max.250 µg/l NMH         |
| CHSK Mn                                 | mg/l       | 1,47   | max.3,0 mg/l MH          |
| chuť                                    | °          | 2      | max.2 ° MH               |
| KNK 4.5                                 | mmol/l     | 1,07   |                          |
| konduktivita                            | mS/m       | 32,9   | max.125 mS/m MH          |
| kyanidy celkové                         | mg/l       | <0,010 | max.0,050 mg/l NMH       |
| pach                                    | °          | 2      | max.2 ° MH               |
| pH - reakce vody                        | -          | 7,71   | 6,5 - 9,5 - MH           |
| sírany                                  | mg/l       | 44,6   | max.250 mg/l MH          |
| suma pesticid. látek bez nerelevantních | ng/l       | 8,2    | max.500 ng/l NMH         |
| teplota vody                            | °C         | 7,8    | 8,0 - 12,0 °C DH         |
| TOC - celkový organický uhlík           | mg/l       | 2,94   | max.5,0 mg/l MH          |
| vápník                                  | mg/l       | 29,6   | 40 - 80 mg/l DH          |
| vápník a hořčík                         | mmol/l     | 1,06   | 2 - 3,5 mmol/l DH        |
| zákal                                   | ZFn        | 0,51   | max.5 ZFn MH             |

| Parametr                                 | Jednotka | Průměr   | Hygienický limit    |
|------------------------------------------|----------|----------|---------------------|
| železo                                   | mg/l     | 0,02     | max.0,20 mg/l MH    |
| antimon                                  | mg/l     | <0,0010  | max.0,01 mg/l NMH   |
| arsen                                    | mg/l     | <0,0010  | max.0,01 mg/l NMH   |
| beryllium                                | µg/l     | <0,10    | max.2,0 µg/l NMH    |
| bór                                      | mg/l     | <0,050   | max.1,5 mg/l NMH    |
| draslík                                  | mg/l     | 4,1      | 1 - 10 mg/l DH      |
| hliník                                   | mg/l     | 0,037    | max.0,20 mg/l MH    |
| chrom                                    | mg/l     | <0,0010  | max.0,025 mg/l NMH  |
| kadmium                                  | mg/l     | <0,00005 | max.0,0050 mg/l NMH |
| mangan                                   | mg/l     | 0,002    | max.0,050 mg/l MH   |
| měď                                      | mg/l     | 0,005    | max.1 mg/l NMH      |
| nikl                                     | mg/l     | 0,0014   | max.0,02 mg/l NMH   |
| olovo                                    | mg/l     | <0,0010  | max.0,01 mg/l NMH   |
| rtuť                                     | mg/l     | <0,0002  | max.0,001 mg/l NMH  |
| selen                                    | mg/l     | <0,0010  | max.0,02 mg/l NMH   |
| sodík                                    | mg/l     | 14,8     | max.200 mg/l MH     |
| stříbro                                  | mg/l     | <0,0010  | max.0,025 mg/l NMH  |
| 2,4 D (2,4-dichlorfenoxycetová kyselina) | ng/l     | <10,0    | max.100 ng/l NMH    |
| 2,4-DP (dichlorprop)                     | ng/l     | <20,0    | max.100 ng/l NMH    |
| 2,6-dichlorobenzamid                     | ng/l     | <10,0    | max.3000 ng/l NMH   |
| acetamiprid                              | ng/l     | 10,0     | max.100 ng/l NMH    |
| acetochlor                               | ng/l     | 10,0     | max.100 ng/l NMH    |
| acetochlor ESA                           | ng/l     | <20,0    | max.100 ng/l NMH    |
| acetochlor OA                            | ng/l     | <20,0    | max.100 ng/l NMH    |
| acifluorfen                              | ng/l     | <20,0    | max.100 ng/l NMH    |
| alachlor                                 | ng/l     | <10,0    | max.100 ng/l NMH    |
| alachlor ESA                             | ng/l     | 41,5     | max.1000 ng/l NMH   |
| alachlor OA                              | ng/l     | <20,0    | max.1000 ng/l NMH   |
| atrazin                                  | ng/l     | <10,0    | max.100 ng/l NMH    |
| atrazin desethyl desisopropyl            | ng/l     | <10,0    | max.100 ng/l NMH    |
| atrazin-desethyl                         | ng/l     | <10,0    | max.100 ng/l NMH    |
| atrazine desisopropyl                    | ng/l     | <10,0    | max.100 ng/l NMH    |
| atrazine-2-hydroxy                       | ng/l     | <10,0    | max.2000 ng/l NMH   |
| azoxystrobin                             | ng/l     | <10,0    | max.100 ng/l NMH    |
| bentazon                                 | ng/l     | <10,0    | max.100 ng/l NMH    |
| 1-H-Benzotriazol                         | ng/l     | 20,3     | max.4000 ng/l NMH   |
| 1-methyl-1-H-Benzotriazol                | ng/l     | <20,0    |                     |
| 5-methyl-1-H-Benzotriazol                | ng/l     | <20,0    | max.4000 ng/l NMH   |
| bifenox                                  | ng/l     | <50,0    | max.100 ng/l NMH    |
| bisfenol A                               | ng/l     | 50,0     | max.2500 ng/l NMH   |
| bisfenol B                               | ng/l     | <50,0    |                     |
| bisfenol S                               | ng/l     | 53,8     |                     |
| Butachlor ESA                            | ng/l     | <20,0    | max.100 ng/l NMH    |
| Butachlor OA                             | ng/l     | <20,0    | max.100 ng/l NMH    |

| Parametr                       | Jednotka | Průměr | Hygienický limit   |
|--------------------------------|----------|--------|--------------------|
| carbendazim                    | ng/l     | <10,0  | max.100 ng/l NMH   |
| clomazone                      | ng/l     | <10,0  | max.100 ng/l NMH   |
| clopyralid                     | ng/l     | <10,0  | max.100 ng/l NMH   |
| clothianidin                   | ng/l     | <10,0  | max.100 ng/l NMH   |
| cyanazin                       | ng/l     | <10,0  | max.100 ng/l NMH   |
| cyprokonazol                   | ng/l     | <10,0  | max.100 ng/l NMH   |
| cyprosulfamide                 | ng/l     | <10,0  | max.100 ng/l NMH   |
| DEET - diethyltoluamide        | ng/l     | 51,6   | max.100 ng/l NMH   |
| desmetryn                      | ng/l     | <10,0  | max.100 ng/l NMH   |
| diazinon                       | ng/l     | <10,0  | max.100 ng/l NMH   |
| difenoconazole                 | ng/l     | <10,0  | max.100 ng/l NMH   |
| diflufenican                   | ng/l     | <10,0  | max.100 ng/l NMH   |
| dichlorvos                     | ng/l     | <50,0  | max.100 ng/l NMH   |
| dimethachlor                   | ng/l     | <10,0  | max.100 ng/l NMH   |
| dimethachlor CGA 369873        | ng/l     | 61,7   | max.6000 ng/l NMH  |
| dimethachlor ESA               | ng/l     | <20,0  | max.6000 ng/l NMH  |
| dimethachlor OA                | ng/l     | <20,0  | max.6000 ng/l NMH  |
| Dimethachlor - suma metabolitů | ng/l     | 61,7   | max.12000 ng/l NMH |
| dimethenamid                   | ng/l     | <10,0  | max.100 ng/l NMH   |
| dimethenamid ESA               | ng/l     | <20,0  | max.100 ng/l NMH   |
| dimethenamid OA                | ng/l     | <20,0  | max.100 ng/l NMH   |
| dimethoate                     | ng/l     | <10,0  | max.100 ng/l NMH   |
| Dimethomorph                   | ng/l     | <10,0  | max.100 ng/l NMH   |
| diuron                         | ng/l     | <10,0  | max.100 ng/l NMH   |
| epoxiconazol                   | ng/l     | <10,0  | max.100 ng/l NMH   |
| ethofumesate                   | ng/l     | <10,0  | max.100 ng/l NMH   |
| fenitrothion                   | ng/l     | <100,0 | max.100 ng/l NMH   |
| fenpropidin                    | ng/l     | <20,0  | max.100 ng/l NMH   |
| fenpropimorph                  | ng/l     | <20,0  | max.100 ng/l NMH   |
| fenthion                       | ng/l     | <10,0  | max.100 ng/l NMH   |
| fluazinam                      | ng/l     | <10,0  | max.100 ng/l NMH   |
| Flufenacet                     | ng/l     | <10,0  | max.100 ng/l NMH   |
| flufenacet ESA                 | ng/l     | <20,0  | max.100 ng/l NMH   |
| flufenacet OA                  | ng/l     | <20,0  | max.100 ng/l NMH   |
| fluopicolide                   | ng/l     | <10,0  | max.100 ng/l NMH   |
| fluroxypyr                     | ng/l     | <10,0  | max.100 ng/l NMH   |
| hexazinon                      | ng/l     | <10,0  | max.100 ng/l NMH   |
| chlorfenvinphos                | ng/l     | <10,0  | max.100 ng/l NMH   |
| chloridazon                    | ng/l     | <10,0  | max.100 ng/l NMH   |
| chloridazon - suma metabolitů  | ng/l     | 5,0    | max.6000 ng/l NMH  |
| chloridazon-desphenyl          | ng/l     | 13,4   | max.3000 ng/l SH   |
| chloridazon-methyl-desphenyl   | ng/l     | 10,9   | max.3000 ng/l SH   |
| chlorotoluron                  | ng/l     | <10,0  | max.100 ng/l NMH   |
| chlorotoluron desmethyl        | ng/l     | <10,0  | max.100 ng/l NMH   |

| Parametr                                 | Jednotka | Průměr | Hygienický limit  |
|------------------------------------------|----------|--------|-------------------|
| chlorpyrifos                             | ng/l     | <10,0  | max.100 ng/l NMH  |
| chlorsulfuron                            | ng/l     | <20,0  | max.100 ng/l NMH  |
| imazalil                                 | ng/l     | <20,0  | max.100 ng/l NMH  |
| imidacloprid                             | ng/l     | 10,1   | max.100 ng/l NMH  |
| irgarol (cybutrine)                      | ng/l     | <10,0  | max.100 ng/l NMH  |
| isoproturon                              | ng/l     | <10,0  | max.100 ng/l NMH  |
| isoproturon-monodesmethyl                | ng/l     | <10,0  | max.100 ng/l NMH  |
| Isoxaflutol benzoic acid                 | ng/l     | <10,0  | max.100 ng/l NMH  |
| Isoxaflutol diketonitril                 | ng/l     | <10,0  | max.100 ng/l NMH  |
| isoxaflutole                             | ng/l     | <10,0  | max.100 ng/l NMH  |
| linuron                                  | ng/l     | <10,0  | max.100 ng/l NMH  |
| MCPA                                     | ng/l     | <20,0  | max.100 ng/l NMH  |
| MCPB                                     | ng/l     | <20,0  | max.100 ng/l NMH  |
| MCPP (mecoprop)                          | ng/l     | <10,0  | max.100 ng/l NMH  |
| mesotrione                               | ng/l     | <10,0  | max.100 ng/l NMH  |
| metalaxyl                                | ng/l     | <10,0  | max.100 ng/l NMH  |
| metamitron                               | ng/l     | <10,0  | max.100 ng/l NMH  |
| metazachlor                              | ng/l     | 10,5   | max.100 ng/l NMH  |
| metazachlor ESA                          | ng/l     | 169,7  | max.5000 ng/l NMH |
| metazachlor OA                           | ng/l     | 39,5   | max.5000 ng/l NMH |
| metformin                                | ng/l     | 337,0  | max.1000 ng/l MH  |
| methiocarb                               | ng/l     | <10,0  | max.100 ng/l NMH  |
| metolachlor ESA                          | ng/l     | 38,0   | max.6000 ng/l NMH |
| metolachlor OA                           | ng/l     | <20,0  | max.6000 ng/l NMH |
| metolachlor (izomery)                    | ng/l     | <10,0  | max.100 ng/l NMH  |
| metribuzin                               | ng/l     | <10,0  | max.100 ng/l NMH  |
| metribuzin desamino                      | ng/l     | <10,0  | max.100 ng/l NMH  |
| Metribuzin desaminodiketo (DADK)         | ng/l     | <100,0 | max.100 ng/l NMH  |
| 2-amino-4-methoxy-6-methyl-1,3,5-triazin | ng/l     | <20,0  | max.100 ng/l NMH  |
| nicosulfuron                             | ng/l     | <10,0  | max.100 ng/l NMH  |
| oxadiazon                                | ng/l     | <10,0  | max.100 ng/l NMH  |
| pendimethalin                            | ng/l     | <20,0  | max.100 ng/l NMH  |
| pethoxamid                               | ng/l     | 10,0   | max.100 ng/l NMH  |
| pethoxamid ESA                           | ng/l     | <20,0  | max.100 ng/l NMH  |
| PFOA (perfluoroktanová kyselina)         | ng/l     | <10,0  |                   |
| PFOS (perfluoroktansulfonová kyselina)   | ng/l     | <10,0  |                   |
| prochloraz                               | ng/l     | <10,0  | max.100 ng/l NMH  |
| prometryn                                | ng/l     | <10,0  | max.100 ng/l NMH  |
| propachlor                               | ng/l     | <10,0  | max.100 ng/l NMH  |
| Propachlor ESA                           | ng/l     | <20,0  | max.100 ng/l NMH  |
| Propachlor OA                            | ng/l     | <20,0  | max.100 ng/l NMH  |
| Propamocarb                              | ng/l     | <10,0  | max.100 ng/l NMH  |
| propazin                                 | ng/l     | <10,0  | max.100 ng/l NMH  |
| propiconazol                             | ng/l     | <10,0  | max.100 ng/l NMH  |

| Parametr                         | Jednotka | Průměr | Hygienický limit |
|----------------------------------|----------|--------|------------------|
| Prosulfocarb                     | ng/l     | <10,0  | max.100 ng/l NMH |
| quinoxifen (chinoxifen)          | ng/l     | <10,0  | max.100 ng/l NMH |
| simazin                          | ng/l     | <10,0  | max.100 ng/l NMH |
| tebuconazol                      | ng/l     | 10,0   | max.100 ng/l NMH |
| terbuthylazin                    | ng/l     | <10,0  | max.100 ng/l NMH |
| terbuthylazin-desethyl-2-hydroxy | ng/l     | <10,0  | max.100 ng/l NMH |
| terbutryn                        | ng/l     | <10,0  | max.100 ng/l NMH |
| terbutylazin-2-hydroxy           | ng/l     | 10,1   | max.100 ng/l NMH |
| terbuthylazin-desethyl           | ng/l     | <10,0  | max.100 ng/l NMH |
| thiacloprid                      | ng/l     | <10,0  | max.100 ng/l NMH |
| thiamethoxam                     | ng/l     | <10,0  | max.100 ng/l NMH |
| Thiencarbazone-methyl            | ng/l     | <20,0  | max.100 ng/l NMH |
| tri-allate                       | ng/l     | <20,0  | max.100 ng/l NMH |
| trinexapac-ethyl                 | ng/l     | <10,0  | max.100 ng/l NMH |
| Tritosulfuron                    | ng/l     | <20,0  | max.100 ng/l NMH |
| 1,1,2,2-tetrachlorethen          | µg/l     | <0,10  | max.10 µg/l NMH  |
| 1,1,2-trichlorethen              | µg/l     | <0,10  | max.10 µg/l NMH  |
| 1,1-dichlorethen                 | µg/l     | <0,10  |                  |
| 1,2-dichlorethan                 | µg/l     | <0,10  | max.3 µg/l NMH   |
| 1,2-dichlorethen                 | µg/l     | 0      |                  |
| benzen                           | µg/l     | <0,10  | max.1 µg/l NMH   |
| bromdichlormethan                | µg/l     | 3,77   |                  |
| bromoform                        | µg/l     | 0,15   |                  |
| cis-1,2-dichlorethen             | µg/l     | <0,10  |                  |
| dibromchlormethan                | µg/l     | 1,75   |                  |
| dichlormethan                    | µg/l     | <0,10  |                  |
| ethylbenzen                      | µg/l     | <0,10  |                  |
| chlorbenzen                      | µg/l     | <0,10  |                  |
| chloroform                       | µg/l     | 6,2    | max.30 µg/l MH   |
| m- +p-xylen                      | µg/l     | <0,10  |                  |
| o+m+p-xylen                      | µg/l     | 0      |                  |
| o-xylen                          | µg/l     | <0,10  |                  |
| styren                           | µg/l     | <0,10  |                  |
| tetrachlormethan                 | µg/l     | <0,10  |                  |
| toluen                           | µg/l     | <0,10  |                  |
| trans-1,2-dichlorethen           | µg/l     | <0,10  |                  |
| trihalomethany                   | µg/l     | 11,84  | max.50 µg/l NMH  |
| vinylchlorid                     | µg/l     | <0,1   | max.0,5 µg/l NMH |
| benzo(g,h,i)perylene             | ng/l     | <0,5   |                  |
| benzo(a)pyren                    | ng/l     | <0,5   | max.10 ng/l NMH  |
| benzo(b)fluoranten               | ng/l     | <0,5   |                  |
| benzo(k)fluoranten               | ng/l     | <0,5   |                  |
| fluoranten                       | ng/l     | 2,0    |                  |
| indeno(1,2,3cd)pyren             | ng/l     | <0,5   |                  |

| Parametr                              | Jednotka | Průměr  | Hygienický limit   |
|---------------------------------------|----------|---------|--------------------|
| suma PAU(4)                           | ng/l     | 0       | max.100 ng/l NMH   |
| aldrin                                | ng/l     | <3,0    | max.30 ng/l NMH    |
| dieldrin                              | ng/l     | <3,0    | max.30 ng/l NMH    |
| heptachlor                            | ng/l     | <3,0    | max.30 ng/l NMH    |
| heptachlorepoxyd                      | ng/l     | <3,0    | max.30 ng/l NMH    |
| hexachlorbenzen                       | ng/l     | <3,0    | max.100 ng/l NMH   |
| lindan                                | ng/l     | <3,0    | max.100 ng/l NMH   |
| methoxychlor                          | ng/l     | <5,0    | max.100 ng/l NMH   |
| p,p'-DDE                              | ng/l     | <3,0    | max.100 ng/l NMH   |
| p,p'-DDT                              | ng/l     | <3,0    | max.100 ng/l NMH   |
| AMPA (aminomethylfosfonová kyselina)  | ng/l     | <50,0   | max.100 ng/l NMH   |
| glyfosát (N-(fosfonomethyl)glycin)    | ng/l     | <50,0   | max.100 ng/l NMH   |
| uran                                  | mg/l     | <0,0010 | max.0,015 mg/l NMH |
| bromdichloroctová kyselina (DCBAA)    | µg/l     | 0,6     |                    |
| bromchloroctová kyselina (BCAA)       | µg/l     | <2,0    |                    |
| dibromchloroctová kyselina (DBCAA)    | µg/l     | <0,5    |                    |
| dibromoctová kyselina (DBAA)          | µg/l     | <0,5    |                    |
| dichloroctová kyselina (DCAA)         | µg/l     | 0,8     |                    |
| halogenoctové kyseliny (HAA) - suma 5 | µg/l     | 1,4     | max.60 µg/l NMH    |
| halogenoctové kyseliny (HAA) - suma 9 | µg/l     | 1,7     |                    |
| monobromoctová kyselina (MBAA)        | µg/l     | <1,0    |                    |
| monochloroctová kyselina (MCAA)       | µg/l     | <1,1    |                    |
| tribromoctová kyselina (TBAA)         | µg/l     | <5,0    |                    |
| trichloroctová kyselina (TCAA)        | µg/l     | 1,0     |                    |

#### Legenda:

Hodnoty uvedené se znaménkem méně než (<) jsou hodnoty pod mezí stanovitelnosti použité analytické metody.

*Výpočet průměru při použití mezí stanovitelnosti:*

V případě, že ve výpočtu průměru figuruje mez stanovitelnosti, je do výpočtu brána polovina meze stanovitelnosti.

*Typ limitu:*

DH - doporučená hodnota, MH - mezní hodnota, NMH - nejvyšší mezní hodnota, SH - směrná hodnota

Hygienické limity odpovídají limitům uvedeným ve vyhlášce MZ č. 252/2004 Sb. (Příloha č. 1) a limitním hodnotám uvedeným v Seznamu posouzených nerelevantních metabolitů pesticidů MZ ČR.

*Mezní hodnota pro pražskou distribuční síť:*

Hygienickou stanicí hl. města Prahy je pro pražskou distribuční síť stanovena mezní hodnota

pro ukazatel počty kolonií při 22 °C (300 KTJ/ml MH) a pro ukazatel počty kolonií při 36 °C (100 KTJ/ml MH),

která není daná vyhl. č. 252/2004 Sb., v platném znění.

Pro ukazatel metformin je Hygienickou stanicí hl. města Prahy pro pražskou distribuční síť stanoven mírnější

hygienický limit (1000 ng/l MH), který je odlišný od limitu daného vyhl. č. 252/2004 Sb., v platném znění.

*Přepočet jednotek:*

1 ng/l = 0,001 µg/l = 0,000001 mg/l

Údaje o kvalitě vody reprezentují průměr za danou oblast. U směsí se lokálně může poměr jednotlivých zdrojů lišit.