

| Parâmetro                                      | VP - Valor Paramétrico |                   | Valores Obtidos |        | Nº de Análises Superiores ao VP | % de Cumprimento do VP | Nº de Análises PCQA 2023 |            | % Análises Realizadas |
|--|------------------------|-------------------|-----------------|--------|---------------------------------|------------------------|--------------------------|------------|-----------------------|
|  | VP                     | Unidade           | Mínimo          | Máximo |                                 |                        | Previstas                | Realizadas |                       |
| Escherichia coli (E. Coli)                     | 0                      | N/100ml           | 0               | 0      | 0                               | 100%                   | 3                        | 3          | 100%                  |
| Bactérias Coliformes                           | 0                      | N/100ml           | 0               | 0      | 0                               | 100%                   | 3                        | 3          | 100%                  |
| Desinfetante Residual                          | ---                    | mg/l              | 0,60            | 0,80   | ---                             | ---                    | 3                        | 3          | 100%                  |
| Cheiro a 25°C                                  | 3,0                    | Fator de diluição | <1              | <1     | 0                               | 100%                   | 1                        | 1          | 100%                  |
| Sabor a 25°C                                   | 3,0                    | Fator de diluição | <1              | <1     | 0                               | 100%                   | 1                        | 1          | 100%                  |
| pH   | ≥6,5 e ≤9,5            | E. de Sorensen    | 7,1             | 7,1    | 0                               | 100%                   | 1                        | 1          | 100%                  |
| Condutividade                                  | 2500                   | µS/cm a 20°C      | 490             | 490    | 0                               | 100%                   | 1                        | 1          | 100%                  |
| Cor  | 20,0                   | mg/l PtCo         | <3              | <3     | 0                               | 100%                   | 1                        | 1          | 100%                  |
| Turvação                                       | 4,0                    | UNT               | <0,5            | <0,5   | 0                               | 100%                   | 1                        | 1          | 100%                  |
| Enterococos fecais                             | 0                      | N/100ml           | 0               | 0      | 0                               | 100%                   | 1                        | 1          | 100%                  |
| Número de Colónias a 22°C                      | ---                    | N/ml a 22°C       | ND              | ND     | ---                             | ---                    | 1                        | 1          | 100%                  |
| Número de Colónias a 36°C                      | ---                    | N/ml a 36°C       | ND              | ND     | ---                             | ---                    | 1                        | 1          | 100%                  |
| Alumínio                                       | 200,0                  | µg/l Al           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Cálcio   | ---                    | mg/l Ca           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Clostridium perfringens                        | 0                      | N/100ml           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Dureza Total                                   | ---                    | mg/l CaCO3        | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Dose Indicativa (1)                            | 0,1                    | mSv               | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Alfa-total (1)                                 | ---                    | Bq/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Beta- Total (1)                                | ---                    | Bq/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Polónio 210                                    | ---                    | Bq/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Rádio 226                                      | ---                    | Bq/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Urânio 234                                     | ---                    | Bq/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Urânio 238                                     | ---                    | Bq/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Radão  | 500                    | Bq/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Ferro  | 200                    | µg/l Fe           | <50             | <50    | 0                               | 100%                   | 1                        | 1          | 100%                  |
| Magnésio                                       | ---                    | mg/l Mg           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Manganês                                       | 50                     | µg/l Mn           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Oxidabilidade                                  | 5,0                    | mg/l O2           | <1              | <1     | 0                               | 100%                   | 1                        | 1          | 100%                  |
| Amónio   | 0,50                   | mg/l NH4          | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Antimónio (1)                                  | 5,0                    | µg/l Sb           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Arsénio (1)                                    | 10                     | µg/l As           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Benzeno (1)                                    | 1,0                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Benzo(a)pireno                                 | 0,010                  | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Boro (1)                                       | 1,0                    | mg/l B            | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Bromatos (1)                                   | 10                     | µg/l BrO3         | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Cádmio (1)                                     | 5,0                    | µg/l Cd           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Carbono Orgânico Total (COT)                   | ---                    | mg/l C            | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Cianetos (1)                                   | 50,0                   | µg/l CN           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Cloretos (1)                                   | 250,0                  | mg/l Cl           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Cloritos                                       | 0,70                   | mg/l ClO2         | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Cloratos                                       | 0,70                   | mg/l ClO3         | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Chumbo   | 10,0                   | µg/l Pb           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Cobre  | 2,00                   | mg/l Cu           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Crómio   | 50,0                   | µg/l Cr           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| 1,2 - dicloroetano (1)                         | 3,0                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Fluoretos (1)                                  | 1,5                    | mg/l F            | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Hidrocarbonetos Aromáticos Policíclicos (HAP): | 0,1                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Benzo(b)fluoranteno                            | ---                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Benzo(k)fluoranteno                            | ---                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Benzo(ghi)perileno                             | ---                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Indeno(1,2,3-cd)pireno                         | ---                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Nitratos (1)                                   | 50,0                   | mg/l NO3          | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Nitritos                                       | 0,50                   | mg/l NO2          | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Mercúrio (1)                                   | 1,0                    | µg/l Hg           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Níquel   | 20                     | µg/l Ni           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Pesticidas - totais (1)                        | 0,5                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| 2,4-dimethylthiophen-3-yl                      | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Bentazona                                      | 0,10                   | µg/l              | <0,03           | <0,03  | 0                               | 100%                   | 1                        | 1          | 100%                  |
| Clorpirifos                                    | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Dimetoato                                      | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Diurão   | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Imidaclopride                                  | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| S-Metolaclo                                    | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Oxadiazão                                      | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| MCPA   | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Dimetenamida-P                                 | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Metribuzina                                    | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Terbutilazina                                  | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Desetilterbutilazina                           | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Ometoato                                       | 0,10                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Selénio (1)                                    | 10,0                   | µg/l Se           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Sódio (1)                                      | 200,0                  | mg/l Na           | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Sulfatos (1)                                   | 250,0                  | mg/l SO4          | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Tetracloroetano e Tricloroetano (1)            | 10,0                   | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Tetracloroetano                                | ---                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Tricloroetano                                  | ---                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Trihalometanos - Totais (THM):                 | 100                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Clorofórmio                                    | ---                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Bromofórmio                                    | ---                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Bromodichlorometano                            | ---                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |
| Dibromochlorometano                            | ---                    | µg/l              | ---             | ---    | ---                             | ---                    | ---                      | ---        | ---                   |

Informação complementar

Em conformidade com o Decreto-Lei nº306/2007, de 27 de Agosto, alterado pelo Decreto-Lei nº 152/2017, de 7 de dezembro, procedeu-se à verificação da qualidade da água da rede pública, através de análises periódicas na torneira do consumidor, segundo o Programa de Controlo da Qualidade da Água (PCQA) aprovado pela autoridade competente (ERSAR)

Informação complementar relativa à averiguação de incumprimentos dos Valores Paramétricos (VP):

Não foi detetada nenhuma situação de incumprimento ao Valor Paramétrico na Zona de Abastecimento da Protote

Laboratórios responsáveis pelas colheitas e ensaios:

LPQ

Legenda:

- VP - Valor Paramétrico constante do anexo I do DL 152/2017, de 7 de dezembro
- ND - Não Detectado
- LQ - Limite de Quantificação
- NA - Não Aplicável
- (1) Parâmetros Conservativos
- (2) Parâmetros Conserv. analisados pela EG em Alta

Diretor-Geral:

Dr. Nuno Campilho

Data de publicação no website:

12 de setembro de 2023