

4º Trimestre

| Zona Abastecimento: |                                               | ZA1 TC 2019                   |                          |                                   |                   |                   |                         |                         |                                        |
|---------------------|-----------------------------------------------|-------------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------------|-------------------------|----------------------------------------|
| Grupo               | Parâmetro                                     | Nº Análises Previstas no PCQA | % de Análises Realizadas | Unidades                          | Valor Paramétrico | Valor Recomendado | Valores Máximos Obtidos | Valores Mínimos Obtidos | % de Análises que cumprem a legislação |
| CR1                 | Bactérias coliformes                          | 6                             | 100                      | UFC/100mL                         | 0                 | ---               | 0                       | 0                       | 100                                    |
|                     | Cloro residual livre                          | 6                             | 133,33                   | mg/l Cl <sub>2</sub>              | ≥ 0,2 e ≤ 0,6     | ---               | 0,5                     | <0,16                   | 100                                    |
|                     | E. coli                                       | 6                             | 100                      | UFC/100mL                         | 0                 | ---               | 0                       | 0                       | 100                                    |
| CR2                 | Alumínio                                      | 3                             | 100                      | µg/L Al                           | 200               | ---               | 29,8                    | 14,3                    | 100                                    |
|                     | Amónio                                        | 3                             | 100                      | mg/L NH <sub>4</sub> <sup>+</sup> | 0,50              | ---               | <0,05                   | <0,05                   | 100                                    |
|                     | Cheiro                                        | 3                             | 100                      | Factor diluição                   | 3                 | ---               | <1                      | <1                      | 100                                    |
|                     | Clostridium perfringens (incluindo esporos)   | 3                             | 100                      | UFC/100mL                         | 0                 | ---               | 0                       | 0                       | 100                                    |
|                     | Condutividade                                 | 3                             | 166,67                   | µS/cm a 20°C                      | 2500              | ---               | 7.8e+2                  | 516                     | 100                                    |
|                     | Cor                                           | 3                             | 100                      | mg/L PtCo                         | 20                | ---               | <3,0                    | <3,0                    | 100                                    |
|                     | Enterococos                                   | 3                             | 100                      | UFC/100mL                         | 0                 | ---               | 0                       | 0                       | 100                                    |
|                     | Ferro                                         | 3                             | 100                      | µg/L Fe                           | 200               | ---               | <60                     | <60                     | 100                                    |
|                     | Manganês                                      | 3                             | 100                      | µg/L Mn                           | 50                | ---               | 1,10                    | <0,50                   | 100                                    |
|                     | Nitratos                                      | 3                             | 100                      | mg/l NO <sub>3</sub>              | 50                | ---               | 13,6                    | 2                       | 100                                    |
|                     | Nitritos                                      | 3                             | 100                      | mg/L NO <sub>2</sub>              | 0,1               | ---               | <0,10                   | <0,10                   | 100                                    |
|                     | Número total de Germes a 22°C                 | 3                             | 100                      | UFC/mL                            | SAA               | 100               | 10                      | 0                       | 100                                    |
|                     | Número total de Germes a 37°C                 | 3                             | 100                      | UFC/mL                            | SAA               | 20                | 1                       | 0                       | 100                                    |
|                     | Oxidabilidade                                 | 3                             | 100                      | mg/L O <sub>2</sub>               | 5                 | ---               | 2,6                     | <1,0                    | 100                                    |
|                     | pH                                            | 3                             | 166,67                   | Unidades de pH                    | ≥ 6,5 e ≤ 9,5     | ---               | 8,2                     | 7,7                     | 100                                    |
|                     | Sabor                                         | 3                             | 100                      | Factor diluição                   | 3                 | ---               | <1                      | <1                      | 100                                    |
|                     | Turvação                                      | 3                             | 100                      | NTU                               | ≤ 1               | ---               | <1,0                    | <1,0                    | 100                                    |
| CI                  | 1,2-dicloroetano                              | 0                             | ---                      | µg/L                              | 3                 | ---               | ---                     | ---                     | ---                                    |
|                     | Alfa total                                    | 0                             | ---                      | Bq/L                              | 0,1 Bq/L          | ---               | ---                     | ---                     | ---                                    |
|                     | Acetilamida                                   | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Antimónio                                     | 0                             | ---                      | µg/L Sb                           | 5                 | ---               | ---                     | ---                     | ---                                    |
|                     | Arsénio                                       | 0                             | ---                      | µg/L As                           | 10                | ---               | ---                     | ---                     | ---                                    |
|                     | Benzeno                                       | 0                             | ---                      | µg/L                              | 1                 | ---               | ---                     | ---                     | ---                                    |
|                     | Benzo(a)pireno                                | 0                             | ---                      | µg/L                              | 0,01              | ---               | ---                     | ---                     | ---                                    |
|                     | Beta total                                    | 0                             | ---                      | Bq/L                              | 1 Bq/L            | ---               | ---                     | ---                     | ---                                    |
|                     | Boro                                          | 0                             | ---                      | mg/L B                            | 1                 | ---               | ---                     | ---                     | ---                                    |
|                     | Bromatos                                      | 0                             | ---                      | µg/L BrO <sub>3</sub>             | 10                | ---               | ---                     | ---                     | ---                                    |
|                     | Cádmio                                        | 0                             | ---                      | µg/L Cd                           | 5                 | ---               | ---                     | ---                     | ---                                    |
|                     | Cálcio                                        | 0                             | ---                      | mg/L Ca                           | ---               | <100              | ---                     | ---                     | ---                                    |
|                     | Chumbo                                        | 0                             | ---                      | µg/L Pb                           | 10                | ---               | ---                     | ---                     | ---                                    |
|                     | Cianetos                                      | 0                             | ---                      | µg/L CN                           | 50                | ---               | ---                     | ---                     | ---                                    |
|                     | Cloratos                                      | 0                             | ---                      | mg/L ClO <sub>3</sub>             | 0,7               | ---               | ---                     | ---                     | ---                                    |
|                     | Cloretos                                      | 0                             | ---                      | mg/L Cl                           | 250               | ---               | ---                     | ---                     | ---                                    |
|                     | Cloritos                                      | 0                             | ---                      | mg/L ClO <sub>2</sub>             | 0,7               | ---               | ---                     | ---                     | ---                                    |
|                     | Cobre                                         | 0                             | ---                      | mg/L Cu                           | 2,0               | ---               | ---                     | ---                     | ---                                    |
|                     | Carbono orgânico total (COT)                  | 0                             | ---                      | mg/L                              | ---               | SAA               | ---                     | ---                     | ---                                    |
|                     | Crómio                                        | 0                             | ---                      | µg/L Cr                           | 50                | ---               | ---                     | ---                     | ---                                    |
|                     | Dose Indicativa total                         | 0                             | ---                      | mSv/ano                           | 0,1 mSv/ano       | ---               | ---                     | ---                     | ---                                    |
|                     | Dureza total                                  | 0                             | ---                      | mg/L CaCO <sub>3</sub>            | ---               | ≥ 150 e ≤ 500     | ---                     | ---                     | ---                                    |
|                     | Fluoretos                                     | 0                             | ---                      | mg/L F                            | 1,5               | ---               | ---                     | ---                     | ---                                    |
|                     | Hidrocarbonetos Aromáticos Policíclicos (HAP) | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Benzo(b)fluoranteno                           | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Benzo(k)fluoranteno                           | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Benzo(g,h,i)perileno                          | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Indeno(1,2,3-cd)pireno                        | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Magnésio                                      | 0                             | ---                      | mg/L Mg                           | ---               | ≤ 50              | ---                     | ---                     | ---                                    |
|                     | Mercurio                                      | 0                             | ---                      | µg/L Hg                           | 1                 | ---               | ---                     | ---                     | ---                                    |
|                     | Níquel                                        | 0                             | ---                      | µg/L Ni                           | 20                | ---               | ---                     | ---                     | ---                                    |
|                     | Radão                                         | 0                             | ---                      | Bq/L                              | 500 Bq/L          | ---               | ---                     | ---                     | ---                                    |
|                     | Pesticidas totais                             | 0                             | ---                      | µg/L                              | 0,5               | ---               | ---                     | ---                     | ---                                    |
|                     | Alacloro                                      | 0                             | ---                      | ng/L                              | ---               | ---               | ---                     | ---                     | ---                                    |
|                     | Bentazona                                     | 1                             | 100                      | µg/L                              | 0,1               | ---               | <0,050                  | <0,050                  | 100                                    |
|                     | Clorpirifos                                   | 0                             | ---                      | µg/L                              | ---               | ---               | ---                     | ---                     | ---                                    |
|                     | Dimetoato                                     | 0                             | ---                      | ng/L                              | ---               | ---               | ---                     | ---                     | ---                                    |
|                     | Ometoato                                      | 0                             | ---                      | ug/L                              | ---               | ---               | ---                     | ---                     | ---                                    |
|                     | Diurão                                        | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Imidaclopride                                 | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Isoproturão                                   | 0                             | ---                      | ng/L                              | ---               | ---               | ---                     | ---                     | ---                                    |
|                     | Linurão                                       | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | MCPA                                          | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Metaxil / Metaxil-M                           | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Metacloz / S-Metacloz                         | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Oxamit                                        | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Simazina                                      | 0                             | ---                      | ug/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Dimetilsimazina                               | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Terbutilazina                                 | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Desetilterbutilazina                          | 0                             | ---                      | µg/L                              | 0,1               | ---               | ---                     | ---                     | ---                                    |
|                     | Selénio                                       | 0                             | ---                      | µg/L Se                           | 10                | ---               | ---                     | ---                     | ---                                    |
|                     | Sódio                                         | 0                             | ---                      | mg/L Na                           | 200               | ---               | ---                     | ---                     | ---                                    |
|                     | Sulfatos                                      | 0                             | ---                      | mg/L SO <sub>4</sub>              | 250               | ---               | ---                     | ---                     | ---                                    |
|                     | Tetracloreteno                                | 0                             | ---                      | µg/L                              | 10                | ---               | ---                     | ---                     | ---                                    |
|                     | Tricloroeteno                                 | 0                             | ---                      | µg/L                              | 10                | ---               | ---                     | ---                     | ---                                    |
|                     | Trihalometanos Total                          | 0                             | ---                      | µg/L                              | 100               | ---               | 60                      | 47                      | 100                                    |
|                     | Bromoformio                                   | 0                             | ---                      | µg/L                              | 100               | ---               | 21                      | 16                      | 100                                    |
|                     | Clorofórmio                                   | 0                             | ---                      | µg/L                              | 100               | ---               | 4                       | 4                       | 100                                    |
|                     | Bromodichlorometano                           | 0                             | ---                      | µg/L                              | 100               | ---               | 11                      | 8                       | 100                                    |
|                     | Dibromoclorometano                            | 0                             | ---                      | µg/L                              | 100               | ---               | 24                      | 19                      | 100                                    |
| TOTAL               |                                               | 70                            |                          |                                   |                   |                   |                         |                         |                                        |

Legenda

- > Valor superior ao Limite de Quantificação
- < Valor inferior ao Limite de Quantificação
- Abc Valor superior ao limite permitido por lei (valor paramétrico)
- Abc Valor superior / inferior ao recomendado por lei (parâmetros indicadores)

|                                                                  |                                    |                                   |
|------------------------------------------------------------------|------------------------------------|-----------------------------------|
| Metodologia de averiguação de causas relativas a incumprimentos: | Causas relativas a incumprimentos: | Medidas corretivas implementadas: |
|------------------------------------------------------------------|------------------------------------|-----------------------------------|