

PCQA - Plano Controlo Qualidade da Água para Consumo Humano
2º Trimestre 2015

| Data | Zona Abastecimento | Nº Análises Previstas no PCQA | % de Análises Realizadas | Unidades | Valor Paramétrico | Valor Recomendado | Valores Máximos Admitidos | Valores Mínimos Obrigados | % de Análises que cumprem a legislação | 09-04-2015 | | 16/abr | | 23/abr | | 30/abr | | 7/mai | | 14/mai | | 21/mai | | 28/mai | | 4/jun | | 19/jun | | 25/jun | | | | | | | |
|------------------------------|-------------------------------|-------------------------------|--------------------------|--------------------|-------------------|-------------------|---------------------------|---------------------------|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | | | | | ZA1_TC_2015 | ZA2_TC_2015 | ZA4_TC_2015 | ZA2_TC_2015 | ZA3_TC_2015 | ZA1_TC_2015 | ZA4_TC_2015 | ZA2_TC_2015 | ZA1_TC_2015 | ZA4_TC_2015 | ZA2_TC_2015 | ZA1_TC_2015 | ZA4_TC_2015 | ZA2_TC_2015 | ZA1_TC_2015 | ZA4_TC_2015 | ZA2_TC_2015 | ZA1_TC_2015 | ZA4_TC_2015 | ZA2_TC_2015 | ZA1_TC_2015 | ZA4_TC_2015 | ZA2_TC_2015 | ZA1_TC_2015 | ZA4_TC_2015 | ZA2_TC_2015 | ZA1_TC_2015 | ZA4_TC_2015 |
| CR1 | Bacterias coliformes | 24 | 100 | UFC/100ml | 0 | — | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | E. coli | 24 | 100 | N/100 ml | 0 | — | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| CR2 | Cloro residual livre | 24 | 100 | mg/L | — | > 0,2 e < 0,6 | 0,7 | 0,16 | 100 | 0,5 | 0,4 | 0,3 | 0,32 | 0,2 | 0,22 | 0,16 | 0,4 | 0,5 | < 0,16 | 0,27 | 0,70 | 0,2 | 0,17 | < 0,16 | 0,19 | < 0,16 | 0,23 | < 0,16 | 0,5 | 0,18 | 0,24 | 0,17 | 0,16 | | | | |
| | Alumínio | 13 | 100 | µg/l Al | 200 | — | 65 | 22 | 100 | — | 51 | — | — | — | — | 85 | 40 | 36 | — | — | — | 61 | 22 | — | 26 | — | — | 26 | — | 56 | 64 | 53 | 44 | — | | | |
| | Amónio | 13 | 100 | mg/l NH4 | 0,5 | — | < 0,1 | < 0,05 | 100 | — | < 0,1 | — | — | — | < 0,05 | < 0,05 | < 0,05 | — | — | — | < 0,05 | < 0,05 | — | < 0,05 | — | < 0,05 | < 0,05 | < 0,05 | < 0,05 | < 0,05 | < 0,05 | < 0,05 | < 0,05 | < 0,05 | < 0,05 | | |
| | Chelro | 13 | 100 | Factor de diluição | 3 | — | < 1 | < 1 | 100 | — | < 1 | — | — | — | < 1 | < 1 | < 1 | — | — | — | < 1 | < 1 | — | < 1 | — | < 1 | — | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | | |
| | Clostridium perfringens | 13 | 100 | N/100ml | 0 | — | 0 | 0 | 100 | — | 0 | — | — | — | 0 | 0 | 0 | — | — | — | 0 | 0 | — | 0 | — | 0 | — | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | Condutividade | 13 | 100 | µS/cm a 20°C | 2500 | — | 613 | 172 | 100 | — | 305 | — | — | — | 612 | 402 | 172 | — | — | — | 613 | 288 | — | 399 | — | 252 | — | 613 | 268 | 200 | 435 | — | — | — | — | | |
| | Cor | 13 | 100 | mg/l PtCo | 20 | — | < 5 | < 3,0 | 100 | — | < 5 | — | — | — | < 3,0 | < 3,0 | < 3,0 | — | — | — | < 3,0 | < 3,0 | — | < 3,0 | — | < 3,0 | — | < 3,0 | < 3,0 | < 3,0 | < 3,0 | < 3,0 | < 3,0 | < 3,0 | < 3,0 | | |
| | Manganés | 13 | 100 | µg/l Mn | 50 | — | 6,7 | < 2,0 | 100 | — | < 5 | — | — | — | < 2,0 | < 2,0 | 6,2 | — | — | — | 5,8 | < 2,0 | — | 3,1 | — | < 2,0 | — | < 2,0 | 6,7 | 3,5 | < 2,0 | 2,6 | — | — | — | | |
| | Nitratos | 13 | 100 | mg/l NO3 | 50 | — | 12 | 4 | 100 | — | 12 | — | — | — | 10,2 | 10,4 | 4,4 | — | — | — | 4,1 | 9,5 | — | 4 | — | 6,3 | — | < 10,0 | 7,2 | 4,1 | < 10,0 | — | — | — | — | | |
| | Número total de Germes a 22°C | 13 | 100 | UFC/1 ml | SAA | 100 | 24 | ND | 100 | — | ND | — | — | — | 0 | 24 | 0 | — | — | — | 0 | 0 | — | 0 | — | 19 | — | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | Número total de Germes a 37°C | 13 | 100 | UFC/1 ml | SAA | 20 | 29 | ND | 100 | — | ND | — | — | — | 0 | 29 | 0 | — | — | — | 0 | 0 | — | 1 | — | 10 | — | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | pH | 13 | 100 | Unidades de pH | >= 6,5 e < 9 | — | 8,5 | 7,3 | 100 | — | 7,3 | — | — | — | 7,5 | 7,5 | 7,4 | — | — | — | 7,4 | 7,7 | — | 7,8 | — | 8 | — | 7,6 | 8,2 | 8,5 | 7,9 | — | — | — | — | | |
| | Turvação | 13 | 100 | NTU | 4 | — | < 1,0 | < 0,4 | 100 | — | < 0,4 | — | — | — | < 1,0 | < 1,0 | < 1,0 | — | — | — | < 1,0 | < 1,0 | — | < 1,0 | — | < 1,0 | — | < 1,0 | < 1,0 | < 1,0 | < 1,0 | < 1,0 | < 1,0 | < 1,0 | < 1,0 | < 1,0 | |
| | Oxidabilidade | 13 | 100 | mg/L | 5 | — | 1,7 | 1,2 | 100 | — | 1,5 | — | — | — | 1,5 | 1,2 | 1,6 | — | — | — | 1,3 | 1,4 | — | 1,3 | — | 1,7 | — | 1,6 | 1,3 | 1,4 | 1,5 | — | — | — | — | | |
| | Sabor | 13 | 100 | Factor de diluição | 3 | — | < 1 | < 1 | 100 | — | < 1 | — | — | — | < 1 | < 1 | < 1 | — | — | — | < 1 | < 1 | — | < 1 | — | < 1 | — | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | |
| | CONTROLO DE INSPEÇÃO | 1,2-dicloroetano | 5 | 100 | µg/l | — | — | < 0,25 | < 0,25 | 100 | — | — | — | — | — | < 0,25 | — | — | — | — | < 0,25 | — | — | < 0,25 | — | < 0,25 | — | < 0,25 | — | < 0,25 | — | < 0,25 | — | < 0,25 | — | < 0,25 | |
| | | Acetilamida | 5 | 100 | µg/l | 0,1 | — | < 0,050 | < 0,050 | 100 | — | — | — | — | — | < 0,050 | — | — | — | — | — | < 0,050 | — | — | < 0,050 | — | < 0,050 | — | < 0,050 | — | < 0,050 | — | < 0,050 | — | < 0,050 | — | < 0,050 |
| | | Antimónio | 5 | 100 | µg/l Sb | 5 | — | < 4 | < 4 | 100 | — | — | — | — | — | < 4 | — | — | — | — | — | < 4 | — | — | < 4 | — | < 4 | — | < 4 | — | < 4 | — | < 4 | — | < 4 | — | < 4 |
| | | Arsénio | 5 | 100 | µg/l As | 10 | — | 6,6 | < 3,0 | 100 | — | — | — | — | — | 6,6 | — | — | — | — | — | < 3,0 | — | — | < 3,0 | — | < 3,0 | — | < 3,0 | — | < 3,0 | — | < 3,0 | — | < 3,0 | — | < 3,0 |
| | | Benzeno | 5 | 100 | µg/l | 1 | — | < 0,26 | < 0,26 | 100 | — | — | — | — | — | < 0,26 | — | — | — | — | — | < 0,26 | — | — | < 0,26 | — | < 0,26 | — | < 0,26 | — | < 0,26 | — | < 0,26 | — | < 0,26 | — | < 0,26 |
| Benzo(a)pireno b) | | 5 | 100 | µg/l | 0,01 | — | < 0,005 | < 0,005 | 100 | — | — | — | — | — | < 0,005 | — | — | — | — | — | < 0,005 | — | — | < 0,005 | — | < 0,005 | — | < 0,005 | — | < 0,005 | — | < 0,005 | — | < 0,005 | — | < 0,005 | |
| Boro | | 5 | 100 | mg/l B | 1 | — | < 0,10 | < 0,10 | 100 | — | — | — | — | — | < 0,10 | — | — | — | — | — | < 0,10 | — | — | < 0,10 | — | < 0,10 | — | < 0,10 | — | < 0,10 | — | < 0,10 | — | < 0,10 | — | < 0,10 | |
| Bromatos | | 5 | 100 | µg/l BrO3 | 10 | — | < 5 | < 5 | 100 | — | — | — | — | — | < 5 | — | — | — | — | — | < 5 | — | — | < 5 | — | < 5 | — | < 5 | — | < 5 | — | < 5 | — | < 5 | — | < 5 | |
| Bromodlorometano | | 5 | 100 | µg/l | — | — | 20 | 12 | 100 | — | — | — | — | — | 20 | — | — | — | — | — | 13 | — | — | 12 | — | 12 | — | 12 | 14 | — | 14 | — | 14 | — | 14 | — | 14 |
| Bromofórmio | | 5 | 100 | µg/l | — | — | 12 | 0,9 | 100 | — | — | — | — | — | 0,9 | — | — | — | — | — | 12 | — | — | 5,7 | — | 5,7 | — | 5,7 | 1,4 | 1 | — | 1 | — | 1 | — | 1 | |
| Cádmio | | 5 | 100 | µg/l Cd | 5 | — | < 1,0 | < 1,0 | 100 | — | — | — | — | — | < 1,0 | — | — | — | — | — | < 1,0 | — | — | < 1,0 | — | < 1,0 | — | < 1,0 | — | < 1,0 | — | < 1,0 | — | < 1,0 | — | < 1,0 | |
| Cálcio | | 5 | 100 | mg/l Ca | — | < 100 | 20,3 | 7 | 100 | — | — | — | — | — | 7 | — | — | — | — | — | 20,3 | — | — | 13,7 | — | 13,7 | — | 9,8 | 16,5 | — | 16,5 | — | 16,5 | — | 16,5 | — | 16,5 |
| Carbono orgânico total (COT) | | 5 | 100 | mg/l | SAA | 1 | 1 | 1 | 100 | — | — | — | — | — | 1 | — | — | — | — | — | < 1 | — | — | < 1 | — | < 1 | — | < 1 | 1 | 1 | — | 1 | — | 1 | — | 1 | |
| Chumbo | | 5 | 100 | µg/l Pb | 25 | — | < 7 | < 7 | 100 | — | — | — | — | — | < 7 | — | — | — | — | — | < 7 | — | — | < 7 | — | < 7 | — | < 7 | — | < 7 | — | < 7 | — | < 7 | — | < 7 | |
| Cianetos | | 5 | 100 | µg/l CN | 50 | — | < 20 | < 20 | 100 | — | — | — | — | — | < 20 | — | — | — | — | — | < 20 | — | — | < 20 | — | < 20 | — | < 20 | — | < 20 | — | < 20 | — | < 20 | — | < 20 | |
| Cloretos | | 5 | 100 | mg/l | 250 | — | 18 | 13 | 100 | — | — | — | — | — | 13 | — | — | — | — | — | 13 | — | — | 13 | — | 13 | — | 18 | — | 18 | — | 18 | — | 18 | — | 18 | |
| Clorofórmio | | 5 | 100 | µg/l | — | — | 23 | 3,2 | 100 | — | — | — | — | — | 23 | — | — | — | — | — | 3,2 | — | — | 8,5 | — | 8,5 | — | 11 | 15 | — | 15 | — | 15 | — | 15 | | |
| Cobre | | 5 | 100 | mg/l | 2,0 | — | 2,00E-03 | < 2,0E-03 | 100 | — | — | — | — | — | 2,00E-03 | — | — | — | — | — | < 2,0E-03 | — | — | < 2,0E-03 | — | < 2,0E-03 | — | < 2,0E-03 | — | < 2,0E-03 | — | < 2,0E-03 | — | < 2,0E-03 | — | < 2,0E-03 | |
| Crómio | | 5 | 100 | µg/l Cr | 50 | — | < 5 | < 5 | 100 | — | — | — | — | — | < 5 | — | — | — | — | — | < 5 | — | — | < 5 | — | < 5 | — | < 5 | — | < 5 | — | < 5 | — | < 5 | — | < 5 | |
| Dibromoclorometano | | 5 | 100 | µg/l | — | — | 24 | 5,1 | 100 | — | — | — | — | — | 6,1 | — | — | — | — | — | 24 | — | — | 13 | — | 13 | — | 6,3 | 5,1 | — | 5,1 | — | 5,1 | — | 5,1 | | |
| Dureza total | | 5 | 100 | mg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |