

Water supply quality standards: Amata City Chonburi and Amata City Rayong

| Properties | Parameters | Unit | Standard values |
|-------------------------------|---|-------------|-------------------|
| Physical | 1 Apperance Colour | Pt-Co Unit | ≤ 15 |
| | 2 Taste | - | Not Objectionable |
| | 3 Odour | - | Not Objectionable |
| | 4 Turbidity | NTU | ≤ 4 |
| | 5 pH | - | 6.5 - 8.5 |
| Chemical | 6 Total Dissolved Solids (TDS) | mg/l | ≤ 600 |
| | 7 Iron (Fe) | mg/l | ≤ 0.3 |
| | 8 Manganese (Mn) | mg/l | ≤ 0.3 |
| | 9 Copper (Cu) | mg/l | ≤ 2.0 |
| | 10 Zinc (Zn) | mg/l | ≤ 3.0 |
| | 11 Total Hardness (as CaCO ₃) | mg/l | ≤ 300 |
| | 12 Sulfate (SO ₄) | mg/l | ≤ 250 |
| | 13 Chloride (Cl) | mg/l | ≤ 250 |
| | 14 Fluoride (F) | mg/l | ≤ 0.7 |
| | 15 Nitrate as NO ₃ | mg/l | ≤ 50 |
| 16 Nitrite as NO ₂ | mg/l | ≤ 3 | |
| Bacterial | 17 Total coliform bacteria | /100 ml | None |
| | 18 <i>E.coli</i> | /100 ml | None |
| | 19 <i>Staphylococcus aureus</i> | /100 ml | None |
| | 20 <i>Salmonella</i> spp | /100 ml | None |
| | 21 <i>Clostridium perfringens</i> | /100 ml | None |
| Toxic elements | 22 Inorganic Mercury (Hg) | mg/l | ≤ 0.001 |
| | 23 Lead (Pb) | mg/l | ≤ 0.01 |
| | 24 Arsenic (As) | mg/l | ≤ 0.01 |
| | 25 Selenium (Se) | mg/l | ≤ 0.01 |
| | 26 Chromium (Cr ⁶⁺) | mg/l | ≤ 0.05 |
| | 27 Cadmium (Cd) | mg/l | ≤ 0.003 |
| | 28 Barium (Ba) | mg/l | ≤ 0.7 |
| 29 Cyanide (CN) | mg/l | ≤ 0.07 | |

Water supply quality standards: Amata City Chonburi and Amata City Rayong

| Properties | Parameters | Unit | Standard values |
|------------------------|--------------------------------------|------|-----------------|
| Pesticides | 30 Aldrin and dieldrin | µg/l | ≤ 0.03 |
| | 31 Chlordane | µg/l | ≤ 0.2 |
| | 32 DDT | µg/l | ≤ 1 |
| | 33 Heptachlor and heptachlor epoxide | µg/l | ≤ 0.03 |
| | 34 Hexachlorobenzene | µg/l | ≤ 1 |
| | 35 Lindane | µg/l | ≤ 2 |
| | 36 Methoxychlor | µg/l | ≤ 20 |
| Trihalomethanes | 37 Chloroform | µg/l | ≤ 300 |
| | 38 Bromodichloromethane | µg/l | ≤ 60 |
| | 39 Dibromochloromethane | µg/l | ≤ 100 |
| | 40 Bromoform | µg/l | ≤ 100 |
| Radioactivity | 41 Gross alpha activity | Bq/l | ≤ 0.5 |
| | 42 Gross beta activity | Bq/l | ≤ 1 |

Remark: Residual chlorine in water supply system not less than 0.2 mg/l

Refer to Provincial Waterworks Authority (PWA) standard, currently is shown as above and any new standard to be enforced in the future.


.....
(Mr.Chuchat Saitin)

Managing Director

Effective Date..... 23/01/2018