Industry and Spa, harmonious activities

Carramillo L(1), da Silva C(2), Yoshinaga S(3), Cristiano I(4)

(1) Federal Rural University of Rio de Janeiro (UFRRJ), Brasil
(2) Resort Hidromineral Soledade, Brasil
(3) State University of Campinas (UNICAMP), Brasil
(4) Federal Rural University of Rio de Janeiro (UFRRJ), Brasil
carramillo@gmail.com

Located in a small area in the northwestern region of the state of Rio de Janeiro, Raposo, in the municipality of Itaperuna, Estância Hidromineral Soledade, operates in the mineral water industry bottling the traditional water Soledade since the years 1948 (DNPM, 2018).

Despite directing its main activity in the fluorinated mineral water container (CPRM, 2018a), Parque das Águas Soledade has 2 water abstractions that have high concentrations of carbon dioxide and total iron that inspire the use as water more appropriate for the use through ingestion at the source and baths. These sources, called Força Total and Soledade Thermal, have very similar chemical and physical chemical characteristics and are completely different from the Volta Fria Source water used for the commercialization of bottled mineral water.

Soledade Thermal (CPRM, 2018b) is rich in manganese (0.245 mg/L), strontium (0.138 mg/L) and total iron (14.3 mg/L). The water of the Força Total source is the concentration of carbon dioxide (2794 mg/L) and lithium (0.014 mg/L). These characteristics give the Parque de Águas Soledade ample possibilities for the use of these waters, either as ingestion at the source, baths or even inspiration. Various effects are disclosed by the users themselves. Among them are: breathing facilitation by inspiring the gases emanating from the water of the Força Total Source, silky skin after immersion of part of the body both in the waters of the Força Total source and Soledade Thermal, improved bowel functioning, eye relief when bathed in the Total Strength and Soledade Thermal as well as diuretic effect of the Volta Fria Fountain water that is offered at natural or chilled temperature.

The beauty of its small Park with its leafy, flowered and well-tended gardens that still allows visitors to digest water, chemical composition varied, every year brings a flow of people who come to travel more than 400 km to enjoy this pleasant environment It's healthy.