

Tap water please!



(the most popular drink served in restaurants
and households around Johannesburg)

Johannesburg Water (Pty) Limited

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Providing Water. Providing Life

Cydna Laboratory



a world class african city





THESE INCLUDE THE ANALYSIS OF:

- Potable (drinking) water
- Industrial water
- Rivers and streams
- Seepage water
- Borehole water
- Sewage, effluents and other wastewater
- Koi and other fishpond water
- Ornamental water-feature water
- Swimming pool water
- Sludges and composts
- Soil
- Dairy products
- Foodstuffs and disinfectants
- Food hygiene samples
- Various other commodities



Johannesburg Water (Pty) Ltd, the water and sanitation service provider for the City of Johannesburg supplies 1 300 000 cubic metres of tap water and treats 930 000 cubic metres of wastewater every day (2007). It also provides basic water and sanitation to a million people in informal areas.

In order to ensure the high quality of its service and the integrity of the environment in which it operates, Johannesburg Water provides a comprehensive chemical and microbiological laboratory service within the company and to COJ departments from a centrally located laboratory complex and two satellite facilities.

The laboratories which are accredited by SANAS to ISO/IEC 17025 standard are staffed by highly qualified scientists and chemists with experience in a wide range of chemical, physical and microbiological analysis.

Cydna laboratory prides itself in having a high degree of sophisticated instrumentation which allows accurate analysis down to low concentration levels.

MODERN HIGH-TECH EQUIPMENT AVAILABLE INCLUDES:

- Flow injection analysers (FIA)
- Gas chromatographs (GC)
- Gas chromatograph/Mass spectrometer (GC/MS)
- Inductively coupled plasma/Optical emission spectrometer (ICP/OES)
- Inductively coupled plasma/Mass spectrometer (ICP/MS)
- Laboratory information management system (LIMS)
- Ion chromatograph (IC)
- Colilert equipment
- Cryoscope



THE TESTS PERFORMED AT CYDNA LAB ARE:

- Physical determinants
- Organic compounds
- Mineral compounds
- Microbiological tests
- Trace elements
- Metals
- Pesticides
- Sludge dewaterability
- On-line and in-situ monitoring of wastewater treatment processes