

# SCOOP

THE LATEST TRENDS, SERVICES & PROMOTIONS

ENVIRONMENTAL SERVICES / CONSUMER TESTING SERVICES, SGS HONG KONG

JUL 2015

## SGS HONG KONG TO SAFEGUARD THE WATER QUALITY IN SUPPLY SYSTEMS

**Lead** is a natural occurring heavy metal found in common application such as solder, pigments, paints, varnishes, ceramics and cosmetics that can enter the body through food, breathing, skin. Excessive absorption of lead and its compounds may lead to renal dysfunction, reproductive and nervous system damage.

**Legionellosis** is an infectious disease caused by the *Legionella pneumophila*. This bacterium can survive in various water environments and can be contracted through contaminated water droplets and mist. Those who are infected can experience fever and muscle pain, and in severe cases, pneumonia.



For more information, please contact one of our Sales Associates for details.

In the midst of the excessive lead content found in the water supply of several housing estates, the Water Supplies Department had released a circular newsletter to all licensed plumbers and associations in regards to restriction on using lead-containing welding materials as well as chemical contents in internal water supply systems.

SGS can offer assessment programs for water quality plus various chemical testing for soldering materials and industrial building materials to ensure that the problem can be found as soon as possible

Testing Sample	Test Item	Unit Price (HKD)	Requirements
Construction Materials (e.g. solder, pipes, faucets, pipe fittings, etc.)	Total Lead Content	\$240	Not Detected *1
	Extractable Lead	\$500	Lead: $\leq 10$ ppb *1
	Extractable Lead, Cadmium, Chromium & Nickel	\$600	Cadmium: $\leq 3$ ppb *1 Chromium: $\leq 50$ ppb *1
	Extractable Heavy Metals (12 elements)	\$800	Nickel: $\leq 70$ ppb *1
Water Sample	Total Lead Content	\$250	Lead: $\leq 10$ ppb *2
	Legionella Content	\$550	$\leq 0.1-1$ cfu / ml *3
	Total Lead, Cadmium, Chromium & Nickel	\$600	Lead: $\leq 10$ ppb *1,2 Cadmium: $\leq 3$ ppb *1,2 Chromium: $\leq 50$ ppb *1,2 Nickel: $\leq 70$ ppb *1,2

\*1 Water Supplies Department (WSD) Circular No. 1/2015

\*2 Guidelines for Drinking-water Quality, WHO, 4th edition, 2011

\*3 Legionella and the prevention of legionellosis, WHO, 2007 Edition

### Sample Pickup Locations

Fanling Laboratory	1/F On Wui Centre, 25 Lok Yip Road, Fanling, N.T., Hong Kong	Monday to Friday 9:00 am – 6:30 pm
Kwai Hing Office	5/F, Manhattan Centre, 8 Kwai Cheong Road, Kwai Chung, N.T. Hong Kong (MTR Kwai Hing Station EXIT A)	Monday to Friday 9:00 am – 6:00 pm

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HONG KONG

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WHEN YOU NEED TO BE SURE

SGS