



## WATER SAMPLE TESTING

01

### Heavy Metal Analysis in Water Samples by ICPMS

Heavy metals pose a threat to our health. Water testing for metals is to ensure drinking water is of high quality and to confirm limits prohibited in wastewater are being met. We offer testing to determine the concentration of heavy metals such as Mg, Al, Cr, Mn, Fe, Ni, Cu, Zn, As, Se, Ag, Cd, Pb, Hg in water by ICPMS based on APHA 3125B ICPMS Method

02

### Photometric test – Analysis of COD in Wastewater

The chemical oxygen demand (COD) is a measure of water and wastewater quality. COD is important as an indicator of how much oxygen will be required to treat the incoming waste streams, which in turn drives the use of aeration equipment and, ultimately, electricity. COD is commonly used as an estimator of biological oxygen demand (BOD) because the test is much simpler and more robust.

03

### Photometric test – Analysis of Nitrite in Water

Nitrite, an intermediate in the nitrogen cycle is formed during the decomposition of organic matter but readily oxidizes to form nitrate. Wastewater treatment plants, water distribution systems, and natural waters are all involved in these processes. Among the uses of nitrites are as corrosion inhibitors, preservatives, pigments, and as an ingredient in many organic preservatives. Nitrites are normally tasteless, odorless, and opaque in water. Overconsumption of nitrite/nitrates is harmful, especially for babies.



MS ISO/IEC 17025  
TESTING  
SAMM NO.650