

## **AQUATIZE® - OFFICIAL METHODS OF ANALYSIS**

**Aquatize® is analyzed by the following methods:**

- 1. Sodium chlorite concentration is measured by in-house method SOP011 (see attached).**
- 2. pH is measured by using a benchtop pH meter equipped with Automatic Temperature Control (ATC), which ensures accuracy at any temperature from 0°C to 100°. A sealed, gel-filled, epoxy-body combination electrode with a single-junction Ag/AgCl reference cell is utilized for pH readings. The pH meter is standardized daily against pH-7 and pH-10 buffer solutions.**
- 3. Specific gravity is measured by using a specific gravity hydrometer with a range of 1.000 to 1.220. This hydrometer is graduated to read specific gravity of liquids at 60°F, compared with gas-free distilled water at 60°F (Specific Gravity 60°F/60°F). The hydrometer's accuracy meets or exceeds ASTM E 100 specifications, and it is calibrated according to ASTM E 126 specifications. Specific gravity is measured by delivering approximately 250 ml of product into a 300-ml ungraduated glass cylinder and submerging a specific gravity hydrometer into the product. A reading is made at the point where the liquid surface intersects the graduated stem – not at the top of the meniscus, per NIST recommendations.**