

## SAO<sup>®</sup> OXIDATION

Tersano's SAO<sup>®</sup> solution harnesses the oxidation power of ozone to drive its cleaning, disinfecting, and deodorizing ability.

As shown in **Table 1, Oxidation-Reduction Potential (ORP)** measures, in millivolts (mV), a solution's capacity to oxidize and break down contaminants and reflects its germ-fighting ability.

In **Table 2 Biocidal Reagent Chart**, ozone has the highest oxidation ability, making it a powerful and efficient oxidizer.<sup>1</sup>

**Table 3 Test Results** demonstrates SAO's ORP and dissolved ozone, measured in parts per million (ppm), which is the ozone concentration in the solution.

<sup>1</sup>Based on industry-accepted standard.

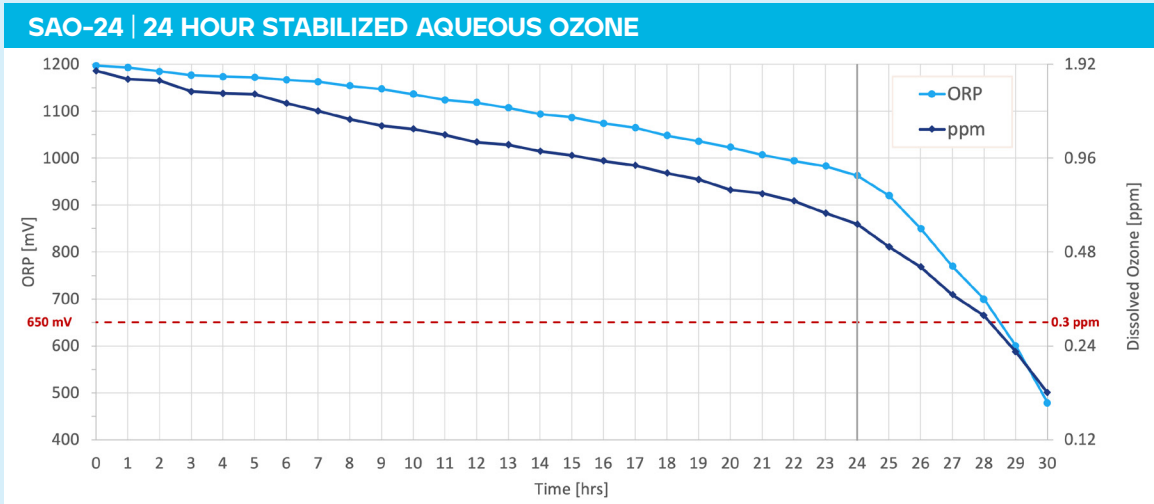
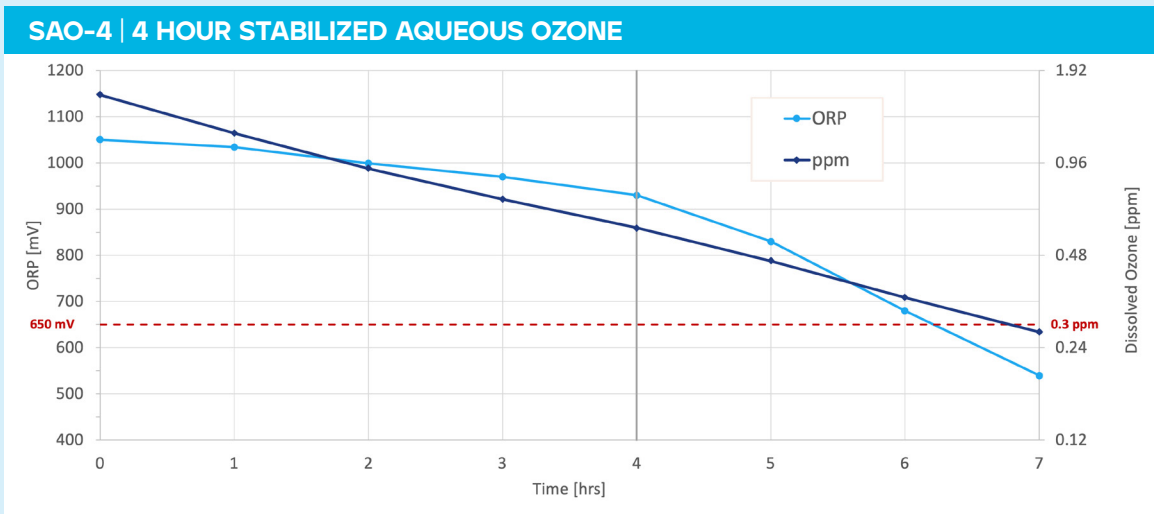
**TABLE 1 - ORP**

ORP LEVEL (mV)	APPLICATION
0-150	No practical use
150-250	Aquaculture
250-350	Cooling Towers
400-475	Swimming pools
450-600	Hot Tubs
650+	Surface Sanitizing
<b>1000+</b>	<b>TERSANO SAO<sup>®</sup></b>

**TABLE 2 - Biocidal Reagent Chart <sup>1</sup>**

BIOCIDAL REAGENT	OXIDATION POTENTIAL (Volts)
<b>Ozone</b>	<b>2.07</b>
Hydrogen Peroxide	1.77
Permanganate	1.67
Chlorine Dioxide	1.57
Hypochlorous acid	1.49
Chlorine Gas	1.36
Hypobromous acid	1.33

**TABLE 3 - Test Results**



<sup>\*</sup>This information is based on the composite of multiple data tests.