ozoklenz

AQUEOUS **OZONE**
ON DEMAND

ATP TEST RESULTS

ATP testing is widely used to determine the effectiveness of a cleaning solution or cleaning method.

We asked the scientists at the UK-based laboratory to design a bespoke method which would provide accurate and independent ATP test results demonstrating the real-world application of our NAO solution and process.

For the purposes of the tests we decided to use raw chicken as the source of contamination. We also decided to measure effectiveness against surfaces which had been contaminated for 5 minutes, 30 minutes and one hour. In addition, we asked the lab to test how effectively a surface was cleaned using NAO solution which had been dispensed and left for 8 hours before use.

For each test the lab used 3 separate test areas which were contaminated with raw chicken. The chicken was left on the surface for 5, 30 and 60 minutes.

The first of each test area was swabbed without any product or process being applied. This provided the base or control level of contamination.

The second test area was then subject to one application of NAO solution and wiped. (The lab used standard wiping techniques generally applied to EN16615 surface testing). The area was then swabbed and measured in the ATP meter. This gave an accurate measurement of the difference between full contamination and step one of our process.

The third area was then subject to our 2-step (spray – wipe – spray) process, again using EN16615 protocol for wiping, and then swabbed and measured in the ATP meter. This again gave an accurate measurement of the difference between full contamination and our 2-step process.

The table below demonstrates that using the NAO solution and process can remove up to 100% of surface contamination.

ATP MEASUREMENTS

Dwell Time on Surface	Age of NAO Solution	Surface Before Contamination*	Control Swab	Process 1	Process 2
5 Minutes	5 Minutes	12	614	3	4
30 Minutes	30 Minutes	38	322	2	3
1 Hour	1 Hour	15	202	0	1
5 Minutes	8 Hours	3	453	1	2

*Pre-test surface cleaning carried out by laboratory technicians