

AiroPure[®]: Proven Innovation

Validated for Industrial and Regulated
Environments



In every industry, certain innovations set a new standard. **AiroPure®** is one of them - a patented biodegradable and non-toxic odor neutralizer that consistently outperforms alternatives.

Recognized globally, it destroys odors and harmful compounds at the molecular level, delivering proven results in the toughest environments.

This document shares independent test results that demonstrate why AiroPure® is trusted by operators and regulators alike.



Cytotoxicity testing - proven non-irritating and safe for contact



Independent toxicologist review - confirmed environmental friendliness



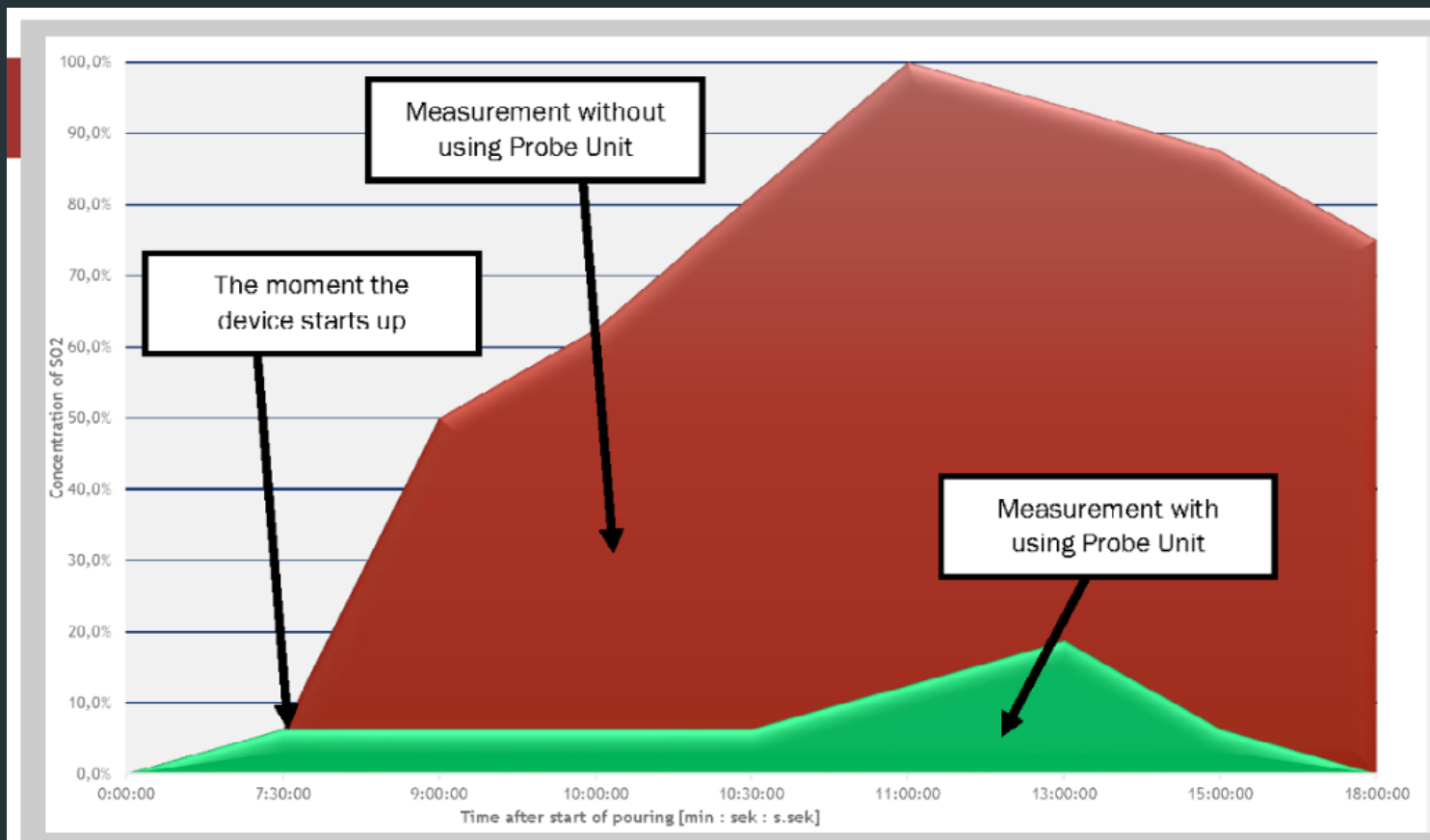
Eurofins & Intertek lab testing - proven effective at neutralizing harmful substances

Product	Ammonia	Butanoic acid	Methyl mercaptane	Trimethyl amine (TMA)
Aiopure	98%	85%	90%	99.4%

These figures show just how much of each odor **AiroPure®** eliminated.

AiroPure® Effectiveness Demonstrated

Trials were conducted at the **PGO Šrem Foundry** to measure the effectiveness of AiroPure® in neutralizing harmful fumes released during mold pouring. A second round of testing then **reinforced these results** using the Probe Atomizer together with AiroPure®'s Berry reagent.



- ✓ Achieved **100% reduction** in Sulfur Dioxide and Hydrogen Sulfide
- ✓ Achieved **99.4% reduction** in ammonia and amines (TMA, DMEA, DMIPA, DMPA)
- ✓ Employees reported a **significant improvement in air quality and working conditions**
- ✓ Results confirmed its effectiveness on furan-based binder mold fumes after liquid metal flooding
- ✓ AiroPure® showed **advanced odor destruction**, not masking or encapsulating odors but **chemically modifying molecules** so they no longer smell

These excerpts from independent laboratory reports illustrate AiroPure[®]'s proven effectiveness.

Tested across multiple sites and laboratories, the results consistently demonstrate its superior odor neutralization and dust control performance.



Click [here](#) for a demo of AiroPure[®] testing against Hydrogen Sulfide

The Newcastle Upon Tyne Hospitals NHS Trust

The Freeman Hospital
High Heaton
Newcastle upon Tyne
NE7 7DN
Tel: 0191 233 6161
Fax: 0191 213 1968

Preliminary Evaluation of Probe Industries AiroPure System for Antimicrobial Activity

Organism	Reference	MIC
1 Escherichia coli	NCTC 10418	1/512
2 Klebsiella pneumoniae	NCTC 9528	1/512
3 Providencia rettgeri	NCTC 7475	1/1024
4 Enterobacter cloacae	NCTC 11936	1/512
5 Serratia marcescens	NCTC 10211	1/512
6 Salmonella typhimurium	NCTC 74	1/512
7 Pseudomonas aeruginosa	NCTC 10662	1/512
8 Staphylococci epidermidis	NCTC 11047	1/2048
9 Streptococcus pyogenes	NCTC 8306	≤ 1/4096
10 Enterococcus faecalis	NCTC 775	1/2048
11 Enterococcus faecium	NCTC 7171	1/512
12 Listeria monocytogenes	NCTC 11994	1/1024
13 Staphylococcus aureus	NCTC 6571	1/2048
14 Yersinia enterocolitica	NCTC 11176	1/512
15 Candida albicans	ATCC 90028	1/256
16 Staphylococcus aureus (MRSA)	NCTC 11939	1/2048
17 Burkholderia cepacia	LMG 1222	1/512
18 Bacillus subtilis	NCTC 9372	1/2048
19 Candida glabrata	NCPF 9725	1/256
20 Acinetobacter baumannii	ATCC 19606	1/1024
21 Legionella bozemanii	NCTC 11368	1/1024
22 Legionella pneumophila	NCTC 11406	1/512
23 Legionella micdadei	NCTC 11371	1/512
24 Legionella pneumophila	NCTC 12821	1/1024
25 Bacteroides fragilis	NCTC 8560	1/128
26 Peptostreptococcus anaerobius	NCTC 11460	1/1024
27 Clostridium perfringens	NCTC 10240	1/512
28 Clostridium difficile	NCTC 11204	1/512

Report date: 09/12/2008

Authorised by:
John D. Perry
Clinical Scientist

eurolins

Laboratory Test Report

Report No. 4038/0207/2 Page 2 of 2

Applied Methods:

Method no.	Parameter	Principle	Limit of detection	Uncertainty (1)
MK-4430	Ammonia	Spectrophotometric	0.1 mg/m ³	15%
MK 2418	Butanoic acid	GC/MS	0.1 mg/m ³	15%
MK-8404	Methyl mercaptane	HPLC/DAD/UV	0.1 mg/m ³	15%
Internal	TMA	LC/MS	0.1 mg/m ³	15%

Principle:

For each analyte two air bags with 10 litres of air were used for the test. A solution of the analyte was added to the two bags in the same amount giving bag 1 and bag 2. To bag 2 an equivalent amount of the test product Airopure was added. After the addition of analyte and products the bags were agitated for 30 seconds and rested for 30 minutes before sampling.

(1) However, at least half of the limit of detection absolute

Analytical Results:

Table 2: Measured concentration of pollutants in the test bags.

Results are in mg/m³

Parameter	Ammonia	Butanoic acid	Methyl mercaptane	TMA
Bag 1	60	440	38	250
Bag 2 (with Airopure product)	<1	64	3.8	1.6
% reduction achieved with Airopure	98%	85%	90%	99.4%

If you'd like to explore the right solution for your site, get in touch today.

Email: Info@probeindustriesglobal.com

Website: probeindustriesglobal.com

Transforming The **Air We Share**

