







# VAPORTEST

## SAFETY FIRST

VAPORTEST BADGES ARE LIGHTWEIGHT DEVICES THAT COLLECT GAS AND AIRBORNE CONTAMINANTS IN THE WORKPLACE. OUR BADGES ARE MADE FROM A PLASTIC HOUSING THAT CONTAINS A PERMEABLE, ABSORBENT MEMBRANE WHICH ARE THEN TESTED. A VARIETY OF SUBSTANCES CAN BE SAMPLED USING THESE BADGES HELPING YOU ASSESS THE EXPOSURE LEVEL OF THE GASES AND VAPOURS IN YOUR WORKPLACE.

-  ORGANIC VAPOUR BADGE FOR XYLENE
-  FORMALDEHYDE PASSIVE BADGE
-  THG, MIBK AND MEK BADGES
-  ETHYLENE OXIDE PASSIVE BADGES





 **PRODUCT REF:** AMB001

#### AVAILABILITY

AMB001 FORMALDEHYDE AIR MONITORING BADGES, ANALYSIS INCLUDED






### FORMALDEHYDE PASSIVE VAPORTEST BADGE

FORMALDEHYDE PASSIVE VAPORTEST BADGE MONITORS PERSONNEL AND WORK AREAS IN HEALTHCARE AND LABORATORIES. THE BADGES ARE ALSO DESIGNED TO MONITOR THE AIR IN THE CHEMICAL, PULP/PAPER, FOUNDRY AND TEXTILES INDUSTRIES.

EACH BADGE CONTAINS A TAPE TREATED WITH 2,4-DINITROPHENYLHYDRAZINE (DNPH). EACH SAMPLER INCORPORATES A "BLANK/CORRECTION" SECTION OF TAPE IN ADDITION TO THE SAMPLE SECTION OF TAPE.

DUE TO HIGH SAMPLING RATE AND SENSITIVE ANALYSIS, THE FORMALDEHYDE PASSIVE VAPORTEST BADGE CAN BE USED FOR 15-MINUTE (STEL) IN THE 5PPB TO 5PM RANGE. PERSONAL MONITORING CAN TAKE PLACE UP TO 8 HOURS, WHILST STATIC MONITORING OF CONTAMINATES OF INDOOR ENVIRONMENTS CAN TAKE PLACE FOR UP TO 24-HOURS OR 7-DAYS.

**PLEASE NOTE:** CAUTION MUST BE APPLIED WHEN MEASURING FORMALDEHYDE FROM SOLUTIONS CONTAINING METHANOL USING PASSIVE SAMPLERS BECAUSE OF POSSIBLE UNDERESTIMATION OF AIRBORNE CONCENTRATIONS. PLEASE CONTACT US FOR FURTHER

-  EXCEED OSHA REQUIREMENTS WITH  $\pm 25\%$  ACCURACY.
-  DESIGNED FOR SINGLE USE.
-  STORAGE OF  $\leq 39.2$  F (4 C) BEFORE AND AFTER USE, AND ANALYSIS WITHIN THREE WEEKS OF USE.
-  SHELF LIFE OF 12 MONTHS FROM DATE OF MANUFACTURE.
-  NO BATTERIES, PUMPS OR EQUIPMENT NEEDED TO CALIBRATE.






TESTING AND RESULTS INCLUDED

### ORGANIC VAPOUR VAPORTEST BADGE FOR XYLENE

ORGANIC VAPOUR PASSIVE VAPORTEST BADGE USES A SINGLE CHARCOAL SORBENT WAFER FOR EASY COLLECTION OF ORGANIC VAPOURS WITH ANALYSIS BY GAS CHROMATOGRAPHY.

VAPORTEST BADGES ARE SIMPLE AND EFFECTIVE DEVICES THAT COLLECT CONTAMINANTS THROUGH THE SCIENTIFIC PRINCIPLE OF DIFFUSION. SAMPLE TIME VALIDATED FOR 15 MINUTES AND 8-HOUR OCCUPATIONAL EXPOSURE SAMPLING. LAB AND FIELD STUDIES CONDUCTED WITH SEVERAL COMPOUNDS SHOW SUITABILITY FOR 24-HOUR AIR SAMPLING.

#### FEATURES:

-  EXCEED OSHA REQUIREMENTS WITH  $\pm 25\%$  ACCURACY.
-  STORAGE OF  $\leq 39.2$  F (4 °C) BEFORE AND AFTER USE, AND ANALYSIS WITHIN THREE WEEKS OF USE.
-  SHELF LIFE OF 2 YEARS FROM DATE OF MANUFACTURE.
-  NO BATTERIES, PUMPS OR EQUIPMENT NEEDED TO CALIBRATE.
-  ORGANIC VAPOUR PASSIVE VAPORTEST BADGE HAVE BEEN VALIDATED TO THE RIGOROUS NIOSH AND ANSI TESTING PROTOCOLS.

#### AVAILABILITY

AMB002 ORGANIC VAPOUR AIR MONITORING BADGES, ANALYSIS INCLUDED  
PRODUCT SUPPORT AND INSTRUCTIONS.

TESTING AND RESULTS INCLUDED



 **PRODUCT REF:** AMB002








 **PRODUCT REF: AMB003**

### VAPORTEST THG, MIBK AND MEK BADGES

THE THG, MIBK AND MEK VAPORTEST BADGE FOR CHEMICAL HAZARDS METHYL ETHYL KETONE, METHYL ISOBUTYL KETONE AND TETRAHYDROGESTRINONE MEETS OSHA/ASTM/ ANSI REQUIREMENTS. THE BADGES IDENTIFY AS A VIABLE ALTERNATIVE TO ACTIVE SAMPLING IN OSHA 16 (MEK) METHOD AND PASSIVE METHOD OSHA 1004.

EACH SAMPLER CONTAINS ANASORB 747, 500 MG AND CAN BE VALIDATED FOR 15-MIN AND 8-HR OCCUPATIONAL SAMPLING. LAB AND FIELD STUDIES CONDUCTED WITH SEVERAL COMPOUNDS SHOW SUITABILITY FOR 24-HR AIR SAMPLING.

#### FEATURES:

-  SAMPLERS CONTAIN >300 MG OF SORBENT — MUCH MORE THAN OTHER BRANDS
-  NO BATTERIES, PUMPS OR EQUIPMENT NEEDED TO CALIBRATE
-  SHELF LIFE OF 2 YEARS FROM DATE OF MANUFACTURE
-  SUITABILITY FOR 24-HOUR AIR SAMPLING
-  STORAGE AT AMBIENT TEMPERATURE OR  $\leq 39.2$  F (4 °C) . MUST BE BROUGHT TO AMBIENT TEMPERATURE BEFORE SAMPLING.

TESTING AND RESULTS INCLUDED







### VAPORTEST ETHYLENE OXIDE PASSIVE BADGES

ETHYLENE OXIDE IS WIDELY USED TO STERILISE MEDICAL EQUIPMENT AND SUPPLIES. EXPOSURE HEALTH EFFECTS CAN RANGE FROM RESPIRATORY IRRITATION TO CANCER AND REPRODUCTIVE/MUTAGENIC EFFECTS.

THESE HIGHLY ACCURATE PASSIVE SAMPLERS ARE FULLY VALIDATED TO ANSI/ISEA 104-1998 STANDARD AND USE THE SAME SORBENT AS ACTIVE OSHA METHOD 1010 TO COLLECT ETHYLENE OXIDE. EACH SAMPLER CONTAINS ANASORB 747 COATED WITH HYDROBROMIC ACID (500MG) AND CAN BE VALIDATED UP 8-HOURS AT A 0.1 TO 4PPM RANGE.

THE VAPORTEST ETHYLENE OXIDE BADGES ARE IDEAL FOR ALL HOSPITALS, VETERINARY CLINICS AND STERILE INSTRUMENT MANUFACTURERS.

#### FEATURES:

-  NO BATTERIES, PUMPS OR EQUIPMENT NEEDED TO CALIBRATE
-  MEET ASTM D6246-08 AND ANSI/ISEA 104-1998 (R 2009) STANDARDS
-  SHELF LIFE OF 18 MONTHS FROM DATE OF MANUFACTURE
-  SAMPLERS CONTAIN >300 MG OF SORBENT — MUCH MORE THAN OTHER BRANDS
-  SAMPLING FLEXIBILITY - VALIDATED FOR SHORT-TERM AND 8-HOUR SAMPLING
-  STORAGE OF  $\leq 39.2$  F (4 °C) BEFORE AND AFTER USE, AND ANALYSIS WITHIN THREE







TESTING AND RESULTS INCLUDED



 **PRODUCT REF: AMB004**







## INSTRUCTIONS FOR USE

-  VAPORTESTS COME IN A SEALED BOX. THE BOX SHOULD NOT BE OPENED UNTIL YOU ARE READY TO USE THE BADGE.
-  THE TIME WHEN EXPOSURE COMMENCES SHOULD BE RECORDED ON THE BACK OF THE BADGE.
-  VAPORTESTS SHOULD BE FASTENED TO THE USER'S COLLAR, WITH THE WHITE MEMBRANE FACING TOWARDS THE FRONT.
-  ON THE COMPLETION OF THE SAMPLING OPERATION, THE END - OF - EXPOSURE TIME IS ALSO TO BE RECORDED ON THE BACK OF THE BADGE.
-  PLACE THE BADGE BACK INTO THE CONTAINER/ PACKAGING AND NOTE DOWN THE RELEVANT DATA ON THE LABEL: TEMPERATURE, RELATIVE HUMIDITY, WEARER'S NAME, MONITOR NUMBER, DATE AND TIMES.
-  FOR ANALYSIS, YOU MUST COMPLETE THE ANALYSIS REQUEST FORM INCLUDED AND RETURN WITH THE BADGE.



## TECHNICAL SPECIFICATIONS

VAPORTEST BADGES ARE DESIGNED FOR MONITORING A BROAD RANGE OF ORGANIC VAPOURS. SEE THE SEPARATE SUBSTANCE LIST OVERVIEW FOR MORE INFORMATION

-  NO EFFECT ON SAMPLING RATE BETWEEN 10 AND 30 °C
-  NO EFFECT ON SAMPLING FROM 10 TO 80% RELATIVE HUMIDITY (RH). DO NOT USE BADGE BELOW 10% RH
-  FOR THE FORMALDEHYDE PASSIVE VAPORTEST BADGES, LARGE AMOUNTS OF CARBONYL COMPOUNDS MAY REDUCE THE UPTAKE OF FORMALDEHYDE. AND TO AVOID INTERFERENCES USE IN OZONE LEVELS LESS THAN 0.5 PPM.
-  DO NOT STORE WITH FOOD.

FOR MORE INFORMATION ABOUT VAPORTEST AND OUR FULL SUPPLY SOLUTION, SPEAK TO OUR DEDICATED TEAM AT +44 (0) 844 8080 900 OR EMAIL [LABSUPPLIES@SOLMEDIALTLD.COM](mailto:LABSUPPLIES@SOLMEDIALTLD.COM)

## COMPOSITION

-  VAPORTEST BADGES ARE LIGHT IN WEIGHT AND VARIES FROM 10G TO 20G DEPENDING ON THE MODEL.
-  BADGES PROVIDE OF A SECURE PLASTIC HOUSING FOR THE ABSORBENTS FOR ACCURATE SAMPLING.

## VAPORTEST BADGES SERVICES

WE SUPPLY A FULL ANALYSIS SERVICE OF THE VAPORTEST BADGES SAMPLE. THIS IS INCLUDED WITH ANY VAPORTEST PURCHASE. ALL TESTS ARE COMPLETED WITHIN 10 DAYS AND ARE UKAS CERTIFIED.

THERE ARE 5 SIMPLE STEPS TO THIS SERVICE:

1. WEAR THE VAPORTEST BADGE FOR A REQUIRED TIME IN AN EXPOSED ENVIRONMENT.
2. COMPLETE ALL REQUIRED DATA ON THE BADGE AND LABEL AS WELL AS COMPLETE THE ANALYSIS REQUEST FORM.
3. RETURN THE WORN BADGES BACK TO SOLMEDIA LTD FOR PROCESSING AND ANALYSIS:  
  
SOLMEDIA LTD.  
FAO SAMPLE ANALYSIS  
UNIT 2, VERNON DRIVE,  
BATTLEFIELD ENTERPRISE PARK,  
SHREWSBURY,  
SY1 3TF
4. THE VAPORTEST BADGES SAMPLE IS PROCESSED AND ANALYSED BY UKAS CERTIFIED LABORATORY TECHNICIANS.
5. YOU WILL RECEIVE A CERTIFICATE OF TEST ANALYSIS WITHIN 15 WORKING DAYS OF THE SAMPLES.

