

NEWS FLASH. NOVEMBER 2009!!

USING THE PAS-500 PERSONAL AIR SAMPLER FOR MONITORING CONTAMINATED CABIN AIR IN COMMERCIAL AIRCRAFT by European, ex-pilot

Airline crew and passengers have recently used the PAS-500 for measuring actual cabin air contamination in aircraft in combination with a special optisorb tube. Analyses has been done by a government Laboratory in The Netherlands, who have designed the first validated and certified Tri Cresyl Phosphate measuring line. Our first results have shown a positive concentration of TCP in 6 out of 10 samples. Concentrations of total TCP (all its 10 isomers) in these samples vary between 1 and 42 ng/m³ in cabin air.

Bringing these samplers with you in your hand luggage doesn't pose any problem when checked at safety checkpoints. This has been tested a few times by solely passing the small box with sampler through a scanner.

We are using these samplers at a maximum sampling rate of 300cc/min. Under normal conditions does a 9V alkaline battery last for 8 to 10 hours.

There are a variety of reasons to make use of this sampler:

- Small and silent during operation, colleague in the cockpit or next seat passenger won't notice.**
- Your own results can be used to inform your company, authorities or added to an open central database, which we are setting up.**
- Carrying a sampler in your luggage allows you to measure the total exposure during a fume-event, which may add as additional proof for your possible future court case.**
- A simple way to find out if your frequent head-ache, nausea, numbness in your hands etc, may be linked to frequent TCP exposure.**

European Ex-Pilot