

Particulate Stack Emissions Proficiency Testing Scheme

Instructions to Participants

The scheme consists of simulated particulate test probe washings and metal shim(s).

Simulated particulate test probe wash

- Evaporate, condition and weigh the residue in the washing solution using your standard operating procedure to BS EN 13284-1:2002.
- Cool evaporation containers to ambient conditions in a desiccator for at least 4 hours.
- Weigh the dry residue and record the mass after 1, 2 and 3 minutes. Extrapolate the mass of the residue to time zero and report the result on the attached sheet.

Metal shim

- Dry shim in a drying oven for at least one hour, at a minimum of 180°C.
- Cool the shim to ambient temperature in a desiccator for at least 4 hours.
- Weigh the mass of the shim and record the weight after 1, 2 and 3 minutes. Extrapolate the result to time zero.

Ambient conditions

- Record the climatic conditions in the weighing room i.e. temperature, barometric pressure and humidity.

Balance calibration check

- Record the date when last calibrated and the standard deviation from the calibration.
- Carry out a balance check using a check weight; record the weight of the check weight used.

Return of results

- Please return your results within four weeks of receipt by email to results@stack-pt-schemes.net

Collusion

- Participants are requested not to discuss results with other parties during the proficiency tests.

PLEASE ENSURE YOU KEEP A COPY FOR YOUR RECORDS

Particulate Stack Emissions PT Scheme Record Sheet

Company Name:	
Contact:	
Telephone:	
Email:	
Date:	

Equipment used

Balance make and model:	
Balance range:	
Date balance last calibrated:	
Standard deviation of balance at last calibration:	
Oven make and model:	

Balance room ambient conditions

Temperature (°C):	
Barometric pressure (kPa):	
Humidity (%):	

Washing and shim weighing

	ID	1 minute (mg)	2 minute (mg)	3 minute (mg)	Extrapolated result to time zero (mg)
Washing 1					
Washing 2 (Low Salt)					
Shim (47mm)					
Shim (83mm)					
Shim (110mm)					

Reference: Particulate Participant Protocol V5.doc

Checked: DMB