



WCS Group

The H₂O experts

-  WATER TREATMENT
-  WATER HYGIENE
-  AIR HYGIENE
-  ENGINEERING
-  TRAINING SERVICES

Air quality data guidelines

WCS Group BOHS P601/2 engineers work to COSHH Regulation 9 and other guidelines which are subject to change from time to time. We generally observe and work to the following guidelines and parameters (last updated in March 2017);

Parameter	Advised Limits	Source	Proposed Survey Limit to Trigger Monitoring
Temperature	19 - 20°C Min 16°C Min 13°C with severe physical exercise	HSE guidance on SBS Workplace Regs 1992 Workplace Regs 1992	Outside range 18-2°C
Humidity	40 - 70%	HSE Guidance on SBS	Outside range 40 - 70%
Air Flow Velocity	0.1 to 0.15 m/s Winter 0.1 to 0.25 m/s Summer	HSG202 General Ventilation in the Workplace HSG202 General Ventilation in the Workplace	>0.15 >0.25
Carbon Dioxide CO ₂	1000 ppm max 5000 ppm max 15000 ppm	HSE Guidance on SBS 8 hour OES EH40 15 min OES EH40	>1000 ppm
Carbon Monoxide CO	30 ppm max 200 ppm max	8 hour OES EH40 15 min OES EH40	>10 ppm
Ozone	0.2 ppm max	8 hour and 15 min OES EH40	>0.1 ppm
Formaldehyde	2 ppm max	8 hour and 15 min MEL EH40	>1 ppm
Solvents / Gases	As per COSHH EH40	COSHH / EH40	No test at survey stage
Dust – Inhalable – Respirable	10mg / m ³ 8 hours 4mg / m ³ 8 hours	COSHH EH40	>5 mg/ m ³ >2 mg/ m ³
Bacteria	1500 cfu / m ³	CIBSE	>1500 cfu / m ³
Fungi	1500 cfu / m ³	CIBSE	>200 cfu / m ³

Key

HSE - Health and Safety Executive
HSG - HSE Guidance Document
SBS - Sick building Syndrome
OES - Occupational Exposure Standard
MEL - Maximum Exposure Limit
EH40 - Workplace Exposure Limits (for COSHH)
CFU - Colony Forming Units
CIBSE - Chartered Institute of Building Service Engineers



Cert No. 11011
ISO 9001, ISO 14001,
OHSAS 18001