

Checklist: Demands on test report – Air cleaners

Air cleaner name			
Manufacturer			
Application	Date	Country	
Main environmental effect			

Demand	Ok	Comments
The test report written in English		
Generally, the test results shall be reported on the basis of EN 15259 <i>Air quality</i>		
Necessary sections/chapters		
Foreword		
description of the three parties involved in the test: applicant, test organisation, farmers		
Test period, incl. specific dates		
Date and signatures responsible person(s) of tests.		
name and address of the test organisation		
Introduction		
Need of the technology (optional)		
Description of the manufacturer/applicant and the air cleaner. If available: previous tests and references		
Data based on old or new data?		
Materials and Methods (incl. pictures)		
farms involved in the test		
measurement method including measurement uncertainty		
Description of test site		
animal category		
the number of sections that are connected to the air cleaning system		
Number, dimensions of the sections and pens		
number of animals per section		
Type of floor		
Dunging systems		
Feed systems		
Ventilation system		
Description of air cleaner (incl. photos, drawings)		
dimensioning criteria, control principle, connection of air cleaner to the ventilation system		
Test design		
dimensioning of the test		
measurement methods & specification of instruments		
measurement points and frequency		
calibration procedures		
statistical data processing method, including used models and the statistical software package		

Checklist: test report (air cleaners)

Demand	Ok	Comments
Results		
specification of the measured primary parameters (odour, ammonia and dust)		
individual raw data (graphs plus processed data in tables with median, average and 95 percentile)		
discussion of the results		
average and standard deviation of the conditional measurement parameters (tables and comments)		
mass balance for nitrogen (if necessary), Annex D		
average and standard deviation of the supplementary measurement parameters (tables and comments)		
evaluation of the operating stability (observations + all recorded data)		
uptime and efficiency corrected by the uptime factor		
Potential risks (normal/unforeseen events)		
Animal health and welfare		
occupational health and safety		
total (external) environment		
advice to the authorities for inspection of the system (Annex B)		
evaluation for applying the results to other types of animal housing/ animal categories cf. Annex I		
Conclusion		
validates the air cleaner in general (only aspects justified by test)		
References, if relevant		
Annexes, if relevant		