

DIN EN 1822-5:2001-02 (E)

High efficiency particulate air filters (HEPA and ULPA) - Part 4: Determining the efficiency of filter elements; English version of DIN EN 1822-5

Contents

	Page
Foreword.....	3
Introduction.....	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions.....	4
3.1 sampling volume flow rate.....	4
3.2 sampling duration.....	4
3.3 measuring procedure with fixed sampling probes.....	5
3.4 total particle count method.....	5
3.5 particle counting and sizing method.....	5
4 Description of the method.....	5
4.1 Measurement method using fixed sampling probe.....	6
4.2 Scan method.....	6
5 Test filter.....	6
6 Test apparatus.....	7
6.1 Test duct.....	7
6.2 Aerosol generation and measuring instruments.....	9
7 Test air.....	15
8 Test procedure.....	15
8.1 Preparatory checks.....	15
8.2 Starting up the aerosol generator.....	15
8.3 Preparation of the test filter.....	15
8.4 Testing.....	16
9 Evaluation.....	17
10 Test report.....	18
11 Maintenance and inspection of the test apparatus.....	20