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Technical Report

Testing Laboratory
Medical Devices

Report No. 10799383006 dated 25.05.2010

Applicant:	AIR Techniques 1295 Walt Whitman Road 11747 Melville, NY
Device under test:	Amalgam Separator Acadia
Test principles:	EN ISO 11143 : 2008-10
Order no.:	8000383006
File no.:	2.4-1044/10
Test engineer:	Jan Hilgers
Testing period:	05.2010
Place of testing:	Dürr Dental AG, Höpfingheimer Str. 17 , 74321 Bietigheim- Bissingen, Deutschland

The report consists of 2 pages

1. General**Technical Ratings:**

Maximum Flow rate:	2,0 l/min
Height:	684 mm
Width:	374 mm
Length:	523 mm
Classification:	Type 3

Type of examination: Conformity test

2. Submitted files

Instruction Manual

3. Conducted test

Tests according to the test principles were conducted.

4. Annex

- Test program (1 Page)

5. Test result

The referencend units are in compliance with the above requirements.

Value of the efficiency with maximum flow rate is 99,617%.

Reviewed: *Klaus Jung*Expert: *Jan Hilgers*

Test program Separation degrees EN ISO 11143:2008-10
Dental Equipment-Amalgam Separators

Test Date: 12.05.2010

Expert: Hlg

Applicant: AIR Techniques
1295 Walt Whitman Road
11747 Melville, NY
USA

Test object: Acadia
Classification: Type 2
Maximum water flow rate: 2,0 l/min

Amalgam sample: Becker Meßtechnik GmbH, 65760 Eschborn, Germany
ISO 11143 Standardprobe
Membrane filters: Schleicher + Schuell AE100 + ME29 + ME28
Balance: Mettler PC180 Nr.: B61074

Number of tests performed: 6

Separation degrees of empty amalgam separator with maximum flow rate:

No.

1	99,590 %
2	99,580 %
3	99,680 %

Average: 99,617 %

Separation degrees of full amalgam separator with maximum flow rate:

No.

1	99,820 %
2	99,990 %
3	99,960 %

Average: 99,923 %

Value of the efficiency with maximum flow rate: 99,617%

Amalgam Separator pass the separation degrees test.

Essen, 12.05.2010

For the contents:



Dipl. Ing. Jan Hilgers