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## Test report No. 2969/05

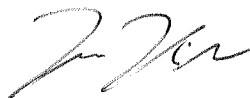
### about the test of a technical equipment

Applicant: Naval Institute for Dental and Biomedical Research  
Building 1-H, 310A B Street  
Great Lakes, IL 60088-5259  
USA

Order No.: 20702287

This report contains 3 text pages.

Designed: 14.02.2006 by:



Reviewed: 14.02.2006 by:

i.v. K. 78

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**Applicant:** Naval Institute for Dental and Biomedical Research  
Building 1-H, 310A B Street  
Great Lakes, IL 60088-5259  
USA

**Reference/Equipment:** NIDBR Amalgamseparator S/N 5336-0.5  
NIDBR Amalgamseparator S/N 5336-15

**Date of receipt:** 2005-12

**Type of examination:** Information Test

**Test regulations:** DIN EN ISO 11143: 2002-12

**Testing period:** 2005-12 – 2006-01

**Test location:** Technology centre of  
RWTÜV Systems GmbH

**Annex (No. of pages):** 1. Measuring and test results (2 pages)

**Test result:** The referenced units are in compliance with the above requirements.

**Test program Separation degrees EN ISO 11143:2002-12**  
**Dental Equipment-Amalgam Separators**

Test Date: 10. - 14.02.2006

Expert: Hlg

Applicant: Naval Institute for Dental and Biomedical Research

USA

Test object: NIDBR Amalgamseparator S/N 5336-0.5

Classification: Type 3: Filtration system

Maximum water flowrate: 0,5 l/min

Amalgam sample: Becker Meßtechnik GmbH, 71364 Winnenden, Germany  
ISO 11143 Standardprobe Charge : 100416-11/04

Membrane filters: Schleicher + Schuell AE100 + ME29 + ME28

Balance: Kern 434 Ser. No.: 118100

Number of tests performed: 6

Separation degrees of empty amalgam separator with maximum flowrate:

No.

1 97,4 %

2 97,5 %

3 97,7 %

**Average: 97,5 %**

Separation degrees of full amalgam separator with maximum flowrate:

No.

1 96,8 %

2 96,9 %

3 96,8 %


**Average: 96,8 %**

**Value of the efficiency with maximum flowrate: 96,8 %**

**The NIDBR Amalgam separator S/N 5336-0.5 pass the test.**

Essen, 14.02.2006

For the contents:



Dipl. Ing. Jan Hilgers