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## TEST REPORT Nr B 09.12.256 N

CUSTOMER: **Mr BIELEFELD**  
**CENTROPLAST**  
*UNTERM OHMBERG 1*  
*D – 34431 MARSBERG*

SUBJECT: **REALIZATION OF 20 DECONTAMINATION CYCLES ON**  
**3 CENTROLAB HT FINISHED COMPONENT**

REFERENCE: **PO 20091218**

CARRIED OUT: **Mr. T. CAILLET**

EMISSION DATE: **09 February 2010**

T. CAILLET

C. GUERIN

Water and Polymer  
Analysis Manager

Technical Manager

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It contains 5 pages including 0 annex page.  
This report concern only objects subjected by test.

## I – SUBJECT

**CENTROPLAST firm sent to CRITT-MDTS 3 CENTROLAB HT finished component in order to realize 20 decontamination cycles in autoclave.**

## II – TEST REALIZATION

**20 decontaminations cycles are performed on samples.**

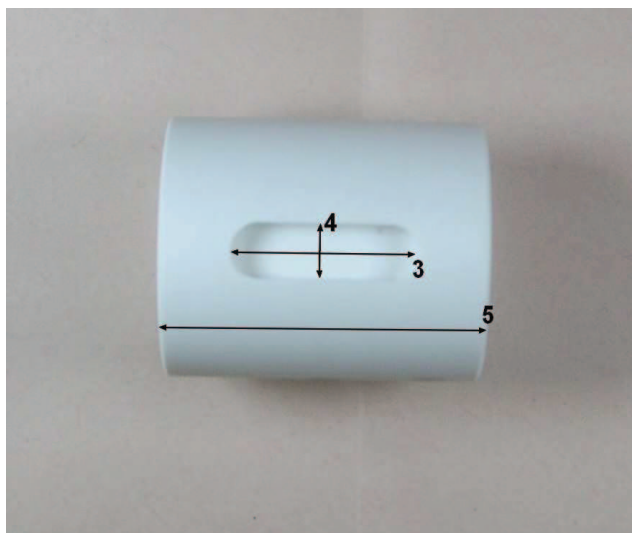
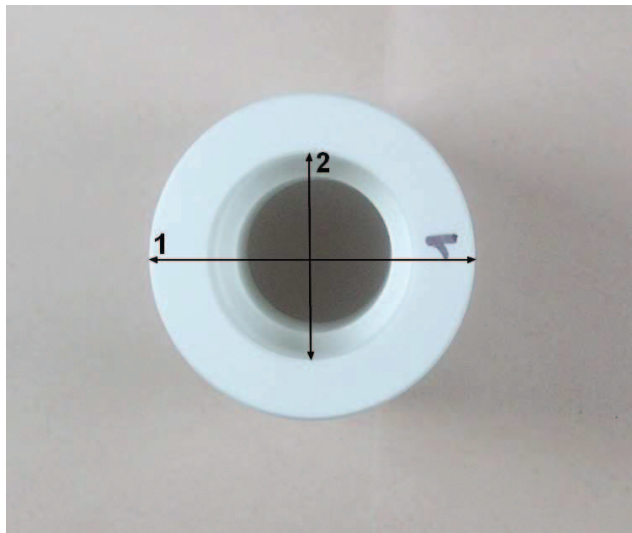
**Description of cycles:**

- **immersion 1 hour in sodium hydroxide 1 M**
- **rinsing with osmosed water**
- **sterilization (prion cycle) at 134 °C during 18 min in autoclave (ref NOG 18)**

**Dimensional measurement (refer to the following pictures) are realized with a sliding gauge (ref DIM 05P39) before and after 20 cycles.**

**A visual inspection is performed at the end of testing.**

*Remark: visual inspection concern only aspect of matter and no color variation.*



### III – RESULTS

Sample 1				
Dimensional measurement (mm)	Cycle 0	Cycle 20	percent of variation	Visual inspection
1	39.96	40.00	0,1	no crack and deformation
2	25.02	24.97	0,2	
3	28.01	27,92	0,3	
4	8.02	8.02	0,0	
5	49.79	49.72	0,1	
6	8.01	7.96	0,5	

Sample 2				
Dimensional measurement (mm)	Cycle 0	Cycle 20	percent of variation	Visual inspection
1	39.96	39.99	0,1	no crack and deformation
2	25.03	24.95	0,3	
3	28.02	27,94	0,3	
4	8.06	8.05	0,1	
5	49.81	49.76	0,1	
6	8.01	7.98	0,4	

Sample 3				
Dimensional measurement (mm)	Cycle 0	Cycle 20	percent of variation	Visual inspection
1	39.96	39.99	0,1	no crack and deformation
2	25.02	24.94	0,3	
3	28.01	27,93	0,3	
4	8.08	8.05	0,4	
5	49.82	49.74	0,2	
6	8.01	7.97	0,4	

**Dimensional variation is low ( $\leq 0,5$  % for all samples). Samples present no visual crack and deformation.**

**Samples are not significantly affected by 20 cycles of decontamination.**

**Remaining at your disposal for any further information.**