

SCHOTT AG · P.O. Box 2480 · 55014 Mainz

SCHOTT Technical Glass Solutions GmbH  
 Dr. Kirchner  
 Otto-Schott-Straße 13  
 07745 Jena

GERMANY

**SCHOTT AG**  
**Corporate Research and Technology**  
**Development**

Accredited Laboratories  
 Process Technology and  
 Characterization

Hattenbergstrasse 10  
 55122 Mainz  
 Germany

Phone ++49 (0)6131/66 - 0  
 Fax ++49 (0)3641/28889 - 125  
 www.schott.com

Our ref.: RTS-C/Eid

Phone: +49 (0)6131/66 - 7610  
 Fax: +49 (0)3641/28889 - 125

Date: 12.10.2010  
 E-mail: ralf.eiden@schott.com

## Analysis report 3-2010 02697

Orderer: SCHOTT Technical Glass Solutions GmbH  
 Dr. Kirchner  
 Otto-Schott-Straße 13  
 07745 Jena

GERMANY

Tested samples: **Borofloat® 33**  
**Nexterion® Glass B**

50 p. glass plates

Sampling: by orderer

Arrival of the samples: 23.09.2010

Test methods: European Pharmacopoeia 6.8, 2010,  
 3.2.1. Glass containers for pharmaceutical use:  
 - B. Test for hydrolytic resistance of powdered glass

United States Pharmacopoeia USP 32,  
 <660> Containers, Chemical resistance - glass containers:  
 - Powdered Glass Test

SCHOTT AG

Chairman of the Supervisory Board: Dr. Theo Spettmann

Board of Management: Prof. Dr.-Ing. Udo Ungeheuer (Chairman), Dr. Jürgen Dahmer, Dr. Hans-Joachim Konz, Klaus Rübenthaler, Stephan Schaller

Headquarter: Mainz · Amtsgericht Mainz · HR B 8555 · UST-Id.-Nr.: DE811120270

Commerzbank AG, Mainz · Sort Code 550 400 22 · Account Number 2 260 008 00 · SWIFT: COBADEFF550 · IBAN-Nr. DE92550400220226000800

Deutsche Bank AG, Mainz · Sort Code 550 700 40 · Account Number 0 123 265 00 · SWIFT: DEUTDE5M · IBAN-Nr. DE71550700400012326500



GAZ-PL-94-03-17-01-01

**Analysis results:**

<b>Sample:</b>	3-201002697		
<b>Glass Type:</b>	Borofloat ® 33 Nexterion ® Glass B	<b>Sample Type:</b>	Glass plates
<b><u>European Pharmacopoeia 6.8</u></b>			
<b><u>Test for hydrolytic resistance of powdered glass</u></b>			
Consumption of HCl c = 0,02 mol/L per 1 g of the glass sample:	single values:	0,022 ml 0,022 ml	
	<b>mean value:</b>	<b>0,022 ml</b>	
	<b>Glass Type:</b>	<b>I</b>	(Limit: 0,1 ml)
<b><u>United States Pharmacopoeia USP 32</u></b>			
<b><u>Powdered Glass Test</u></b>			
Consumption of H <sub>2</sub> SO <sub>4</sub> c = 0,02 N (0,01 mol/L) per 10 g of the glass sample:	single values:	0,22 ml 0,22 ml	
	<b>mean value:</b>	<b>0,22 ml</b>	
	<b>Glass Type:</b>	<b>I</b>	(Limit: 1,0 ml)

References according to the demands of DIN EN ISO IEC 17025:

The analysis results explicitly apply only to the samples investigated within the scope of this order. This report shall not be reproduced except in full without approval of the laboratory.

Date: 12.10.2010

Dr. Ralf Eiden  
(Senior Manager Chemical Analysis)

Signature: 