



(Certified English Translation)

LADR

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WEBAC-Chemie GmbH  
Fahrenberg 22

22885 Barsbüttel near Hamburg

Geesthacht, 4 November 2019

**Test Certificate**  
**according to KTW recommendations**  
**(Federal Health Gazette 20, 1977ff)**

(This test was implemented in accordance with the requirements of the KTW recommendation of 1977, status October 2008.)  
Note: The present status of the KTW recommendation of the Umweltbundesamt (UBA)<sup>3</sup> is March 2016.

Applicant: WEBAC-Chemie GmbH  
Fahrenberg 22  
22885 Barsbüttel  
Germany

Product: **WEBAC® 4170T**  
Epoxy Resin

Test type: Product Testing

According to the test report of 4 November 2019, **laboratory number 115994/00/01**, the test samples of **WEBAC® 4170T** provided fulfill the requirements for use in potable water applications according to the KTW recommendations of the Bundesgesundheitsamt<sup>4</sup>, status October 2008, for the following

Application Range(s):

Temperature Range(s):

	Cold water	Warm water	Hot water
A Pipes	---	---	---
B Containers	---	---	---
C Equipment gear	---	---	---
D1 Large-surface sealants	fulfilled	---	---
D2 Other sealants and adhesives	---	---	---

if the material is suitable for these in technical terms.

**Head of Laboratory:** (signature)  
(Dr. S. Dageförde)

The validity of this report is 5 years from the date of issue and can be extended once for a further 5 years after expiry.

<sup>1</sup> Central Laboratory  
<sup>2</sup> Dept. of Water and Environmental Analysis  
<sup>3</sup> German Federal Environment Agency  
<sup>4</sup> German Federal Health Department



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22885 Barsbüttel near Hamburg

Geesthacht, 4 November 2019

### Test Report

(This test was implemented in accordance with the requirements of the KTW recommendation of 1977, status October 2008.)  
Note: The present status of the KTW recommendation of the Umweltbundesamt (UBA)<sup>7</sup> is March 2016.

Laboratory No.:	115994/00/01	KTW classification:	D1 "large-surface sealants"
Manufacturer:	WEBAC Chemie	O/V <sup>8</sup> ratio:	1:25 cm <sup>2</sup> /cm <sup>3</sup>
Type of sample:	Epoxy Resin	Test sample surface:	53.3 cm <sup>2</sup>
Name of sample:	WEBAC <sup>®</sup> 4170T	Test water volume:	1330 ml

#### Test results:

Parameter	Day 1-3	Day 4-6	Day 7-9	KTW requirement after 9 days
pH	8.13	8.20	8.12	6.5-9.5
Color (436 nm) 1/m	0.11	< 0.10	< 0.10	DIN 38404 C5 n.n.b. (≤0.5 for 436 nm)
Turbidity TE/F	0.18	< 0.10	< 0.10	DIN EN ISO 7887 n.n.b. (≤1.5)
Tendency to foam formation	n.n.b.	n.n.b.	n.n.b.	DIN EN ISO 7027 n.n.b.
Threshold odor number (20°C)	1	1	1	≤2
TOC (mg C/m <sup>2</sup> *day)	83.2	30.9	20.6	≤60
Oxidation reaction with chlorine (mg Cl <sub>2</sub> /m <sup>2</sup> *day)	2.6	2.5	2.5	DIN EN 1484 ≤75 DIN EN ISO 7393-2

n.n.b. = no detectable influence

#### Assessment:

The test samples of **WEBAC<sup>®</sup>4170T** you provided fulfill the requirements for use in potable water applications according to the KTW recommendations of the Bundesgesundheitsamt<sup>9</sup>, status October 2008, for application range D1 "Large-surface sealants" (O/V ratio 1:25 cm<sup>2</sup>/cm<sup>3</sup>).

**Head of Laboratory:** (signature)  
(Dr. S. Dageförde)

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In my capacity as a public translator for the English language, duly commissioned and sworn by the President of the Regional Court of Heidelberg (Landgericht Heidelberg), I hereby confirm that the foregoing is a true and complete translation of the German document submitted to me in the original.

Heidelberg, Germany  
15 November 2019

<sup>5</sup> Central Laboratory  
<sup>6</sup> Dept. of Water and Environmental Analysis  
<sup>7</sup> German Federal Environment Agency  
<sup>8</sup> surface/volume  
<sup>9</sup> German Federal Health Department

