

Test Certificate
based on the Recommendation of the Federal Environment Agency
(Umweltbundesamt - UBA) for the assessment of the fitness of plastic and
non-metallic materials for use with drinking water under the Act
Concerning Food and Articles of Everyday Use (KTW)

for

ELBTAL PLASTICS GmbH & Co.KG
Grenzstraße 9
D-01640 Coswig

Material tested: ELBEblue line SBG 150/SBG 150 supra/SBG D 160
Date of receipt: 09/2011
Samples: 200 x 200 [mm]
Area of use: Drinking water
Material type: PVC- P film
Type of test: Migration behaviour of material exposed to chlorine disinfectant
Validity: This test certificate is valid from the date of issue and will remain valid until 4 November 2015, provided that the relevant conditions remain unchanged.

Assessment of results:

The results show that the material tested (designation: ELBEblue line SBG 150/SBG 150 supra) is fit for use in the drinking water sector. All the criteria of the UBA recommendation are met.

Remarks:

The formulation was submitted and assessed.

The results and evaluations refer to the test specimens examined and to the applicable statutory regulations. This document shall become invalid upon any change in the composition of the material or in the processing conditions.

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for: ELBTAL PLASTICS GmbH & Co. KG ; D-01640 Coswig

Test conditions:

Temperature (C°): 20 ± 2°C


Initial Cl₂ concentration. (mg/l): 0.6 ± 0,05

Pre-treatment: 24 h exposure to water

Contact time: 3 x 3 days

Parameter	Test water			Change compared with water at start of test
	Days 1–3	Days 4–6	Days 7–9	Days 7–9
Colour	colourless	colourless	colourless	nsi*
Turbidity	nsi*	nsi*	nsi*	nsi*
Odour	nsi*	nsi*	nsi*	nsi*
Foaming tendency	none	none	none	none
	Material surface values relevant to KTW M = mg/m² x day			Maximum limit M = mg/m² x day
Org. C	7.85	7.75	2.67	≤10
Chlorine consumption (free chlorine)	0.67	0.58	0.16	≤8
	Additional material values M = mg/m² x day			Recommended limit M = mg/m² x day
Chloramine	0.33	0.16	0.01	-
Oxidation capacity	10.42	9.67	4.42	-

nsi* = no significant impairment

LVHT GmbH

 (Dipl.-Ing. Bernd Wiesend)



Mülheim, 4 November 2011/lo