



Federal Environment Agency
Fifth Amendment
to the notice
of the assessment basis for enamels and
ceramic materials in contact with drinking water
(Enamels/ceramic – Assessment basis)^{1, 2}
Of 9 July 2026

The notice titled 'Assessment criteria for enamels and ceramic materials in contact with drinking water (Enamel/Ceramic Assessment Basis)' dated 5 August 2019 (BAnz AT 12/09/2019 B8), as last amended by the notice of 27 October 2025 (BAnz AT 13/11/2025 B3), is amended as follows:

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Changes

7. In Table 1 under point 6.1.1, the maximum content of antimony oxide is increased from 1 to 2%:

Substance	Content in %	
	Min.	Max.
'Sb ₂ O ₃	0	2"

6. In point 6.1.1 under Table 1, vanadium oxide is introduced for the first time:

Substance	Content in %	
	Min.	Max.
'V ₂ O ₅	0	0,2"

8. A new point 6.3.3 is inserted under point 6.3:

'6.3.3 Chromium carbide coatings

Metal materials can be coated with chromium carbide using high-velocity oxygen fuel (HVOF method) nozzles. The coating can be classified as a ceramic coating. The composition of the coating must be in line with Table 10 and may only be covered using HVOF methods. The products or components must be tested in accordance with Chapter 8.

Table 10: Positive list of possible ingredients in chromium carbide coatings

Substance	Content in %		Substan	Content in %	
	Min.	Max.		Min.	Max.
'	75	83		0	1,0
	17,5	21	'	0	0,3"

9. A new paragraph is added at the end of point 7.2:

'Chromium carbide coatings may only contain the ingredients listed in Table 10. The specified content is mandatory, but may be modified upon request. Lead and cadmium may only be present as accompanying substances in small, technically unavoidable quantities that are not intentionally added. The lead and cadmium content must each be below 0.02% (w/w) and must be stated in the composition.'

¹ Notified in accordance with Directive (EU) 2015/1535 of the European Parliament and of the Council of 9 September 2015 laying down a procedure for the provision of information in the field of technical regulations and of regulations on Information Society services (OJ L 241, 17/9/2015, p. 1.)

² Notified under 2026/0142/DE



5. A new point 8.2.7 is inserted under point 8.2:

‘8.2.7 Chromium carbide coatings

An analysis of the composition of the component or sample must be undertaken. The composition test serves as:

1. verification that the composition of the coating complies with the relevant positive list (see Table 10),
2. a specification of the elements to be determined in the migration water, and
3. an identification of the product.’

6. In point 8.3.4, a new paragraph is inserted:

‘Chromium carbide coatings

Elements of the coating with a criterion in accordance with Table 12 shall be determined.

In addition, the lead and cadmium content of the migration water to be analysed must be determined. The analysis must be carried out using a suitable measurement method, for example, ICP-MS according to DIN EN ISO 17294-1.’

7. The insertion of the new Table 10 results in the subsequent numbering of the tables being shifted.

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Entry into force

These amendments shall enter into force on the day after publication in the Federal Gazette.

Dessau-Roßlau, 9 July 2026

Federal Environment Agency

President

Prof. Dr. Dirk Messner