Bundesanzeiger
Herausgegeben vom
Bundesministerium der Justiz
und für Verbraucherschutz
www.bundesanzeiger.de

Notice

Published on Thursday, 13 November 2025, Federal Gazette AT 13/11/2025 B4

Federal Environment Agency

Sixth Amendment to the Notice on the Assessment Basis for Plastics and Other Organic Materials in Contact with Drinking Water (KTW-BWGL)[1],[2]

of 27 October 2025

The Notice – Assessment Basis for Plastics and Other Organic Materials in Contact with Drinking Water (KTW-BWGL) of 11 March 2019 (Federal Gazette AT 21/03/2019 B5), as last amended by the Fifth Amendment to the Notice – Assessment Basis for Plastics and Other Organic Materials in Contact with Drinking Water (KTW-BWGL) of 24 February 2025, (Federal Gazette AT 28/02/2025 B9), is hereby amended.

I. Amendments

1. The following amendments have been made to the definitions of terms:

   The term “product” is replaced by “(end) product” and the entry “end product” is deleted.

2. In Point 2, Scope, the following paragraph is inserted after the second sentence:

   “Alternatively, the requirements of Implementing Decision (EU) 2024/368 apply to elastomers and thermoplastic elastomers from 1 July 2026. It should be noted that the requirements of the KTW assessment basis and the requirements of Implementing Decision (EU) 2024/368 are to be considered separately. It is not possible to mix or combine the regulatory documents and their specifications.”

3. In Point 5.2.2, Non-listed starting materials under Letter a, Low use, the following is added after the first paragraph: “Monomers with a maximum usage of less than 0.5 % (w/w) based on the final product of a material, which are required to regulate chain length/cross-linking and are incorporated into the polymer chain, may be used if the migration limit MTC_{tap} = 0.1 µg/l is met.”

4. In Point 5.3.3 Requirements for turbidity and colour, the designation of the standard “DIN EN ISO 7027:2016-11” is amended to “DIN EN ISO 7027-1:2016-11”.

5. In Point 5.4.2, Requirements for fillers, the second sentence “according to DIN 5377014 Parts 1 and 13“ is amended to “according to DIN 5377014 Parts 1 and 16”. In Footnote 14, Part 13 is deleted.

6. In Point 5.4.2 Requirements for fillers, for the example of fluoride, the term “parameter value” is replaced by the term “limit value”.

7. In Point 5.4.2 Requirements for fillers, the following paragraph is inserted after the third paragraph: “As an alternative to the purity requirements for fillers, the corresponding metal impurities can be checked by analysing the migration waters of the respective migration test of the final product. The MTCtap of the various metal ions is defined as 10 % of the respective limit value of the Drinking Water Ordinance (see Annex 1 of the KTW-BWGL).”

8. In Point 5.4.3, Requirements for colourants, the reference to Part 13 of DIN 53770 is deleted in the fourth paragraph.

9. In Point 5.4.3 Requirements for colourants, the following paragraph is inserted after the fourth paragraph: “As an alternative to the purity requirements for colourants, the corresponding metal impurities can be checked by analysing the migration waters of the respective migration test of the end product. The MTCtap of the various metal ions is defined as 10 % of the respective limit value of the Drinking Water Ordinance (see Annex 1 of the KTW-BWGL).”

10. In Point 5.6.3 Requirements for testing using the volumetric method (Method 2) in Letter c, the fourth paragraph is amended to read: “For equipment made of elastomers used outside of drinking water installations, the test value M2 applies even if the diameter of the associated pipes is less than 80 mm.”

11. In Point 5.6.3 Requirements for testing using the volumetric method (Method 2), the specification of the permissible range of variation for the growth volume in Table 4 is amended from “+” to “±”. Table 4 thus takes the following form:

Table 4: Assessment of test results for Method 2 according to DIN EN 16421: 2015-05

Requirement	Information on the measurement results of Method 2 according to DIN EN 16421

[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 rules on Information Society services (OJ L 241, 17/09/2015, p. 1).

[2] Notified under 2025/0243/DE

12. The following paragraph is inserted under Table 4:
    Note:

    An increasing trend in the measured values to be considered according to Table 4 for requirement M2 or M3 exists if the difference in the measured values to be assessed is >0.06 ml/800 cm².

13. In Point 5.7 Multilayer products, the reference to Point 6.3.1 in the fifth paragraph is amended to Point 6.3.

14. In Point 6.1, Formulation assessment, the fourth paragraph is amended to read:

    "If polymeric starting materials with the specification 'molar mass > 1000 Da' in the corresponding positive list or polymeric starting materials according to Point 5.2.2, Letter e, are used, then, in addition to the impurities to be declared, information on the molecular weight distribution and the proportions of oligomers with molecular masses below 1000 Da is also required."

15. In Point 6.3.1, Implementation of the migration test, the following paragraph is inserted after the third paragraph:

    "The hot water test covers the use of the products in contact with hot water; an additional hot water test is not necessary."

16. Table 9: The migration restrictions for metals and ammonium in Annex 1 are amended as follows:

Elements or ions		References	MTC_{tap} [µg/l]	Parameters according to 5.2.2 l) catalysts	Parameters according to 5.4.2 and 5.4.3
Aluminium	Al	10 % of the limit value of the Drinking	20	X	
Ammonium	NH_4^+	10 % of the limit value of the Drinking	50	X	
Antimony	Sb	10 % of the limit value of the Drinking	0.5	X	X
Arsenic	As	10 % of the limit value of the Drinking	1.0	not applicable	X
Barium	Ba	1/20 SML of Regulation (EU) No. 10/2011	50	X	X
Bismuth	Bi	UBA (https://www.umweltbundesamt.de/dokument/begruendung-pruefwerte-bewertungsgrundlage-fuer)	0.1	X	
Lead	Pb	10 % of the limit value of the Drinking	1.0/0.5[3]	not applicable	X
Boron	B	10 % of the WHO guideline value	150	X	
Cadmium	Cd	10 % of the limit value of the Drinking	0.3	not applicable	X
Calcium	Ca	No requirement necessary		X	
Cerium	Ce	UBA (https://www.umweltbundesamt.de/dokument/begruendung-pruefwerte-bewertungsgrundlage-fuer)	4.0	X	
Chromium	Cr	10 % of the limit value of the Drinking	5.0	X	X
Cobalt	Co	1/20 SML of Regulation (EU) No. 10/2011	2.5	X	
Copper	Cu	10 % of the limit value of the Drinking	200	X	
Europium	Eu	1/20 SML of Regulation (EU) No. 10/2011	2.5	X	
Gadolinium	Ga	1/20 SML of Regulation (EU) No. 10/2011	2.5	X	
Hafnium	Hf	UBA (https://www.umweltbundesamt.de/dokument/begruendung-pruefwerte-bewertungsgrundlage-fuer)	0.1	X	
Iron	Fe	10 % of the limit value of the Drinking	20	X	

[3] from 12/01/2028

Elements or ions		References	MTC_{tap} [µg/l]	Parameters according to 5.2.2 l) catalysts	Parameters according to 5.4.2 and 5.4.3
Lanthanum	La	1/20 SML of Regulation (EU) No. 10/2011	2.5	X	
Lithium	Li	1/20 SML of Regulation (EU) No. 10/2011	30	X	
Magnesium	Mg	No requirement necessary		X	
Manganese	Mn	10 % of the limit value of the Drinking	5.0	X	
Molybdenum	Mo	10 % of the WHO guideline value	7.0	X	
Potassium	K	No requirement necessary		X	
Praseodymium	Pr	UBA (https://www.umweltbundesamt.de/dokument/begruendung-pruefwerte-bewertungsgrundlage-fuer)	0.1	X	
Sodium	Na	No requirement necessary		X	
Nickel	Ni	10 % of the limit value of the Drinking	2.0	X	
Mercury	Hg	10 % of the limit value of the Drinking	0.1	not applicable	X
Selenium	Se	10 % of the limit value of the Drinking	1.0	Not applicable	x[4]
Strontium	Sr	UBA (https://www.umweltbundesamt.de/dokument/begruendung-pruefwerte-bewertungsgrundlage-fuer)	210	X	
Terbium	Tb	1/20 SML of Regulation (EU) No. 10/2011	2.5	X	
Tin organic	Sn	1/20 SML of Regulation (EU) No. 10/2011	0.3	X	
Titanium	Ti	UBA (https://www.umweltbundesamt.de/dokument/begruendung-pruefwerte-bewertungsgrundlage-fuer)	14.0	X	
Tungsten	W	1/20 SML of Regulation (EU) No. 10/2011	2.5	X	
Vanadium	V		2.5	X	
Yttrium	Y	UBA (https://www.umweltbundesamt.de/dokument/begruendung-pruefwerte-bewertungsgrundlage-fuer)	3.5	X	
Zinc	Zn	1/20 SML of Regulation (EU) No. 10/2011	250	X	
Zirconium	Zr	UBA (https://www.umweltbundesamt.de/dokument/begruendung-pruefwerte-bewertungsgrundlage-fuer)	1.0	X	

Annex A Plastics

17. In Point A.1.1 Plastics, the first sentence “(according to DIN EN 472:2013-06)” is amended to “(according to DIN EN ISO 472:2013-06 and DIN EN ISO 472/A1:2019-03)”.

[4] colourants only

18. In Point A.2, Positive list of starting materials for the production of plastics, Table A-1 is amended to: The supplementary positive list for plastics in contact with drinking water has been supplemented by the following monomer:

Monomers

Ref. No.	CAS No	Substance	Restriction MTC_{tap} in pg/l	Other restrictions
13480 13607	80-05-7	2,2-Bis(4-hydroxyphenyl)propane (Bisphenol A)	2.5	

19. In Table A-1, the following CAS number is added to the following substance entry: “Wheat protein with CAS No. 93384-22-6 under Table A-1 Additives and Excipients.” Annex B Organic Coatings

20. In Point B.2.2 Information on composition, the second sentence “(DIN EN ISO 4618:2015-1)” is amended to “(DIN EN ISO 4618:2023-05)”.

21. In Point B.3.1.1.9 Other monomers, the following entries are added:

Ref. No.	CAS No.	Substance	Limitation MTC_{tap} in pg/l	Other restrictions
	1071-93-8	adipic acid dihydrazide	2.5 0.1 for hydrazine	exclusively for powder coatings
20080	2495-37-6	benzyl methacrylate	300 as methacrylic acid	

22. In Point B.3.1.9 Aids to polymerisation, the following entries are added:

Ref. No.	CAS No.	Substance	Limitation MTC_{tap} in pg/l	Other restrictions
	34562-31-7	3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpiperidine	0.1 0.1 for 2-propyl-3-ethylquinoline	for cold water only
	603-35-0	triphenylphosphine	0.1 0.1 for triphenylphosphine oxide	

23. The following CAS numbers are added to the following substance entries in Table B-1:
“Maize oil fatty acids with CAS No 68308-50-9 under Point B.3.1.1.8”
“Fish oil fatty acids with CAS No 91051-07-9 under Point B.3.1.1.8”
“Zinc dust with CAS No 7440-06-0 under Point B.3.1.2”
“Wheat protein with CAS No 93384-22-6 under Point B.3.1.7”

24. The MTCtap restriction on the substance input “water” in Point B.3.1.5 is deleted.

Annex C Lubricants

25. In Table C-1, the following CAS number is added to the following substance entry:
“Wheat protein with CAS No 93384-22-6 under Point C.3.1.3”

Annex D Elastomers

26. In Table D-1, the following CAS numbers are added to the following substance entries:
“Carbon fibres with CAS No 308063-56-1 under Point D.4.1.2”
“Petroleum hydrocarbon resins, hydrogenated with CAS No 88526-47-0 under Point D.4.1.3”
“Wheat protein with CAS No 93384-22-6 under Point D.4.1.5”

27. The MTCtap restriction on the substance entry “1-octene” under number D.4.1.1 is replaced by “TOC”.

II. Entry into force

The 6th amendment enters into force on the day following its publication in the Federal Gazette.

Dessau-Roßlau, 27 October 2025

Bundesanzeiger
Herausgegeben vom
Bundesministerium der Justiz
und für Verbraucherschutz
www.bundesanzeiger.de

Notice

Published on Thursday, 13
November 2025, Federal Gazette AT
13/11/2025 B4

Federal Environment Agency

pp
Dr. Bettina Rechenberg