

Appendix 1 to the Basic Criteria RAL-UZ 102

In-Can Preservation

1. Alternatively, the following active substances or active substance combinations may be used for in-can preservation:

Active Substance/ Active Substance Combination	Content
a) Titanium dioxide/silver chloride	≤ 100 ppm in relation to silver chloride
b) 2-methyl-2H- isothiazol-3-one / 1,2-benzisothiazol-3(2H)-one in a ratio of 1:1	≤ 200 ppm
c) 5-chloro-2-methyl-4-isothiazolin-3-one / 2-methyl-4- isothiazolin-3-one in a ratio of 3:1	≤ 15 ppm
d) 3-iodo-2-propynyl butylcarbamate	≤ 80 ppm
e) 1,2- benzisothiazol-3(2H)-one	≤ 200 ppm
f) 2-bromo-2-nitropropane-1,3-diol (BNPD)	≤ 200 ppm
g) BNPD ¹⁾ + CIT/MIT (3:1) ³⁾	≤ 130 ppm + ≤ 15 ppm
h) BNPD ¹⁾ + CIT/MIT (3:1) ³⁾	≤ 150 ppm + ≤ 10 ppm
i) BNPD ¹⁾ + CIT/MIT (3:1) ³⁾	≤ 170 ppm + ≤ 5 ppm
j) MIT/BIT ²⁾ (1:1) + CIT/MIT (3:1) ³⁾	≤ 150 ppm + ≤ 12,5 ppm
k) MIT/BIT ²⁾ (1:1) + CIT/MIT (3:1) ³⁾	≤ 125 ppm + ≤ 15 ppm
l) 1,2-dibromo-2,4-dicyanobutane (DBDCB)	≤ 500 ppm
m) BIT ⁴⁾ + CIT/MIT (3:1) ³⁾	≤ 150 ppm + ≤ 12.5 ppm
n) BNPD ¹⁾ + MIT/BIT ²⁾ (1:1)	≤ 120 ppm + ≤ 75 ppm
o) Zinc pyrithione (ZNP) + BIT ⁴⁾	≤ 100 ppm + ≤ 100 ppm
p) Zinc pyrithione (ZNP) + MIT/BIT ²⁾ (1:2 to 2:1)	≤ 50 ppm + ≤ 150 ppm
q) BNPD ¹⁾ + BIT ²⁾	≤ 100 ppm + ≤ 100 ppm
r) Sodium pyrithione (NaP) + BIT ⁴⁾	≤ 50 ppm + ≤ 150 ppm
s) N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (CAS 2372-82-9) + MIT/BIT ²⁾ (1:1)	≤ 81 ppm + ≤ 150 ppm
t) MIT/BIT ²⁾ (1:1) + silver chloride	≤ 185 ppm + ≤ 15 ppm

¹⁾ BNPD = see f) ²⁾ MIT/BIT = see b) ³⁾ CIT/MIT (3:1) = see c) ⁴⁾ BIT = see e)

2. Only those substances (active substances or biocidal products) may be used as preservatives for which an active substance dossier on the assessment as in-can preservatives (product type 6) has been submitted within the scope of the Biocidal Products Regulation ((EU) No 528/2012). If following the assessment an inclusion of the active substance in the Union List of approved active substances for product type 6 is denied the use of these substances shall no longer be permitted. This also applies to formaldehyde-releasing agents.
3. **Inclusion of further substances**
Additional preservatives may be used if a MAK value is available and/or sufficient data regarding inhalation toxicology, analytics of the pure active substance and, if applicable, data on relevant degradation products, isomers and impurities as well as other by-products of the active substance and /or sufficient examinations relating to the inhalative exposition are presented to the Federal Environmental Agency for evaluation and fixing of a maximum content.