

Appendix hygienic aspects to certificate K87532 for 'Ball valves'

Commencing date: July 15th, 2019

Product specification

This appendix is only related to 'Ball valves' supplied by Conval Nederland B.V..

Composition

The 'Ball valves' are approved with the following composition:

Part	Material	Remarks
Body	Brass CW617N	This material has to meet the requirements of the Composition List. In the table below, the accepted CW617N brass composition is given for reference.
Body (other part)	Brass CW617N	This material has to meet the requirements of the Composition List. In the table below, the accepted CW617N brass composition is given for reference.
Spindel	Brass CW614N	This material has to meet the requirements of the Composition List. In the table below, the accepted CW614N brass composition is given for reference.
Ball	Brass CW617N	This material has to meet the requirements of the Composition List. In the table below, the accepted CW617N brass composition is given for reference.
Plating ball	Chromium	This material has to meet the requirements for BRL K604. Layer thickness Cr 0,25-1,5 µm
O-ring	EPDM 70 Perox M534 Ducci	According to certificate K80481
Plastic parts	PTFE DYNEON TP1620	< 5 grams and DN<54 mm

Composition of accepted Brass CW617N (CuZn40Pb2)

Constituent components	Content [% (m/m)]	Impurities	Content [% (m/m)]
Copper	57.0-60.0	Aluminium	≤ 0.05
Zinc	Remainder	Iron	≤ 0.3
Lead	1.6-2.2	Nickel	≤ 0.1
		Silicon	≤ 0.03
		Tin	≤ 0.3
		Each other impurity	< 0.02

Composition of accepted Brass CW614N (CuZn39Pb3)

Constituent components	Content [% (m/m)]	Impurities	Content [% (m/m)]
Copper	57.0-62.0	Aluminium	≤ 0.05
Zinc	Remainder	Iron	≤ 0.3
Lead	2.5-3.5	Nickel	≤ 0.2
		Silicon	≤ 0.03
		Tin	≤ 0.3
		Each other impurity	< 0.02

Above mentioned composition as well as the mentioned recipes of the raw materials/additives are not to be changed without prior approval according to the Kiwa approval procedure for hygienic aspects.

Conval Nederland B.V. is always responsible for an advance notification of changes in the composition and/or in the recipe of mentioned raw materials/additives.

Criteria/requirements for the product

The criteria and requirements according to the 'Regeling materialen en chemicaliën drink- en warm tapwatervoorziening' ('Materials and chemicals in the supply of drinking water and warm tap water Regulation'; published in the Government Gazette) apply to these products.

For 'Ball valves' no migration requirements are relevant.

For 'EPDM 70 Perox M534', the migration requirements are laid down in the hygienic aspects appendix to the corresponding Water Mark Certificate, which is signed by Duci S.r.L.

The present appendix replaces previous versions, if any.

Drawn up in duplicate and signed,

Rijswijk, 26-07-2019

Kiwa Nederland B.V.

A blue ink signature consisting of a stylized, cursive 'D' followed by 'F' and 'van den Berg'.

drs. D.F. van den Berg,
manager Product group Hygienic Aspects

Boxtel, 11-9-2019

Conval Nederland B.V.

A purple ink signature consisting of a stylized 'S' followed by 'Schukken'.

S. Schukken,
Directeur