



Verification Body for Water

CERTIFICATE OF VERIFICATION

regarding the examination of the PE 100 RC, sSTRbl pipe samples, in accordance with the directive on the evaluation in terms of hygiene of organic materials that enter into contact with drinking water, adopted by the Federal Environmental Authority (UBA)

Examination interval: Verification for the purpose of authorization 2017
Manufacturer: VALROM Industrie srl, Bucharest, Romania
Dimensions: 63 x 3.8 mm [EG 14]
Name of material: [Vestolen A Rely 5922R 10000]
Receipt of samples: 13.10.2017
In charge of sampling: Beneficiary
File number of the verification body for water: KR 222/17

Verification results

1. Recipe: presented, verified and confirmed based on KC 445/16
2. Evidence regarding the existing material in accordance with the working sheet of the German Association of Experts in Gas and Water W 270: Verification report of the Hygiene Institute in Gelsenkirchen W-265974e-16-SI/le of 14.01.2016
3. Migration test:

Cold water 23°C	Day 1 - 3	Day 4 - 6	Day 7 - 9	Indicative value for the 3rd extraction
Clarity, color, smell, taste, foam formation	nrb	nrb	nrb	without significant influence
C emissions C [mg/l] [C _{Tap}]	0.18	< 0.09	< 0.09	< 0.5

The pipe samples PE 100 RC, sSTRbl examined for contact with drinking water comply with the requirements of the directive on the evaluation in terms of hygiene of organic materials that enter into contact with drinking water, adopted by the Federal Environmental Authority (UBA) (the Official Journal in the Field of Health, in the current version) with regard to pipes with DN < 80 mm (drinking water installation).

Mention:

The validity of this certificate is regulated under the requirements of other provisions. However, it ends at the latest within 5 years from its issuing date.

Basis of verification: ZP plastic pipe System (2017-05)

Karlsruhe, 17.11.2017

Illegible signature

Dr. J. Klinger / representative dr. eng. R. Turković
Director of the verification body

The publication of the certificate of verification, in full or in extract, is not permitted in the absence of the express consent of the verification body.

The Water Technology Center is a structure within DVGW The German Association of Experts in Gas and Water - A technical and scientific association -

Technology Center for Water Verification Body for Water
Wasserwerkstraße 4
76137 Karlsruhe, Germany

T +49 (0)721 9 31 63-0
F +49 (0)721 9 31 63-99
pruefstelle@tzw.de, www.tzw.de



I, the undersigned, MILEA DANA, Certified Interpreter and Translator for the foreign language(s) English and French, pursuant to Authorization no. 23036 dated September 9th, 2008 issued by the Romanian Ministry of Justice, hereby certify the accuracy of the translation made from Romanian into English, that the presented text has been fully translated, without omissions and that, through translation, the contents and meaning of the document have not been altered.

CERTIFIED INTERPRETER AND TRANSLATOR





Verification Body for Water

CERTIFICATE OF VERIFICATION

regarding the examination of the PE 100 RC, sSTRbl pipe samples, in accordance with the directive on the evaluation in terms of hygiene of organic materials that enter into contact with drinking water, adopted by the Federal Environmental Authority (UBA)

Examination interval: Verification for the purpose of authorization 2017
Manufacturer: VALROM Industrie srl, Bucharest, Romania
Dimensions: 110 x 6 mm [EG15]
Name of material: [Vestolen A Rely 5922R 10000]
Receipt of samples: 13.10.2017
In charge of sampling: Beneficiary
File number of the verification body for water: KR 221/17

Verification results

1. Recipe: presented, verified and confirmed based on KC 445/16
2. Evidence regarding the existing material in accordance with the working sheet of the German Association of Experts in Gas and Water W 270: Verification report of the Hygiene Institute in Gelsenkirchen W-265974e-16-SI/le of 14.01.2016
3. Migration test:

Cold water 23°C	Day 1 - 3	Day 4 - 6	Day 7 - 9	Indicative value for the 3rd extraction
Clarity, color, smell, taste, foam formation	nmb	nmb	nmb	without significant influence
C emissions C [mg/l] [C _{Tap}]	< 0.08	< 0.08	< 0.08	< 0.5

The pipe samples PE 100 RC, sSTRbl examined for contact with drinking water comply with the requirements of the directive on the evaluation in terms of hygiene of organic materials that enter into contact with drinking water, adopted by the Federal Environmental Authority (UBA) (the Official Journal in the Field of Health, in the current version) with regard to pipes with 80 mm \leq DN < 300 mm (supply pipes).

Mention:

The validity of this certificate is regulated under the requirements of other provisions. However, it ends at the latest within 5 years from its issuing date.

Basis of verification: ZP plastic pipe System (2017-05)

Karlsruhe, 17.11.2017

Illegible signature

Dr. J. Klinger / representative dr. eng. R. Turković
Director of the verification body

The publication of the certificate of verification, in full or in extract, is not permitted in the absence of the express consent of the verification body.

The Water Technology Center is a structure within DVGW The German Association of Experts in Gas and Water - A technical and scientific association -

Technology Center for Water Verification Body for Water
Wasserwerkstraße 4
76137 Karlsruhe, Germany

T +49 (0)721 9 31 63-0
F +49 (0)721 9 31 63-99
pruefstelle@tzw.de, www.tzw.de



I, the undersigned, MILEA DANA, Certified Interpreter and Translator for the foreign language(s) English and French, pursuant to Authorization no. 23036 dated September 9th, 2008 issued by the Romanian Ministry of Justice, hereby certify the accuracy of the translation made from Romanian into English, that the presented text has been fully translated, without omissions and that, through translation, the contents and meaning of the document have not been altered.

CERTIFIED INTERPRETER AND TRANSLATOR



CERTIFICATE OF VERIFICATION

regarding the examination of the PE 100 RC, sSTRbl pipe samples, in accordance with the directive on the evaluation in terms of hygiene of organic materials that enter into contact with drinking water, adopted by the Federal Environmental Authority (UBA)

Examination interval: Verification for the purpose of authorization 2017
Manufacturer: VALROM Industrie srl, Bucharest, Romania
Dimensions: 250 x 14 mm [EG 16]
Name of material: Vestolen A Rely 5922R 10000
Receipt of samples: 13.10.2017
In charge of sampling: Beneficiary
File number of the verification body for water: KR 220/17

Verification results

1. Recipe: presented, verified and confirmed based on KC 445/16
2. Evidence regarding the existing material in accordance with the working sheet of the German Association of Experts in Gas and Water W 270: Verification report of the Hygiene Institute in Gelsenkirchen W-265974e-16-SI/le of 14.01.2016
3. Migration test:

Cold water 23°C	Day 1 - 3	Day 4 - 6	Day 7 - 9	Indicative value for the 3rd extraction
Clarity, color, smell, taste, foam formation	nmb	nmb	nmb	without significant influence
C emissions C [mg/l] [C_{Tap}]	< 0.18	< 0.18	< 0.18	< 0.5

The pipe samples PE 100 RC, sSTRbl examined for contact with drinking water comply with the requirements of the directive on the evaluation in terms of hygiene of organic materials that enter into contact with drinking water, adopted by the Federal Environmental Authority (UBA) (the Official Journal in the Field of Health, in the current version) with regard to pipes with 80 mm \leq DN < 300 mm (supply pipes).

Mention:

The validity of this certificate is regulated under the requirements of other provisions. However, it ends at the latest within 5 years from its issuing date.

Basis of verification: ZP plastic pipe System (2017-05)

Karlsruhe, 17.11.2017

Illegible signature

Dr. J. Klinger / representative dr. eng. R. Turković
Director of the verification body

The publication of the certificate of verification, in full or in extract, is not permitted in the absence of the express consent of the verification body.

I, the undersigned, MILEA DANA, Certified Interpreter and Translator for the foreign language(s) English and French, pursuant to Authorization no. 23036 dated September 9th, 2008 issued by the Romanian Ministry of Justice, hereby certify the accuracy of the translation made from Romanian into English, that the presented text has been fully translated, without omissions and that, through translation, the contents and meaning of the document have not been altered.

CERTIFIED INTERPRETER AND TRANSLATOR

