„БУЛАКВА СТАНДАРТ" ЕООД
ОРГАН ЗА СЕРТИФИКАЦИЯ НА СТРОИТЕЛНИ ПРОДУКТИ
„ЗНАК ЗА КАЧЕСТВО НА БАВ"
София 1046, бул. Христо Смирненски 1, УАСГ - Ректорат, ст. 115
моб.: 0879 52 50 51 office@bulaqua-standart.com
www.bulaqua-standart.com

F 7.0-14, v.1.1

C E R T I F I C A T E

FOR

„QUALITY MARK OF BWA"

TO

Firat Plastik Kaucuk San. Ve Tic. AS.

FOR

Plastic pipes for water supply, and for drainage and sewerage under pressure from polyethylene (PE100, PE100RC)

Produced in: Firat Plastik Kaucuk San. Ve Tic. AS., Türkoba Mahallesi Fırat Plastik Caddesi No: 23 34537 Büyükçekmece Istanbul, Türkiye

Released on the market by: HLS Trade Ltd, Triaditsa district, 9 Pozitano Street, Sofia, Bulgaria

The Certification Body for Construction Products "Quality Mark of BWA" (CBCP) to "BULAQUA Standart" LTD verifies that the construction products, described in the present certificate are assessed and conform to the requirements of Scheme A – Voluntary certification according to the following international standards:

BDS EN 12201-1:2024, BDS EN 12201-2:2024

According to Decision № FP-034-165/24.09.2026

Date of initial issuance: 12.07.2023

Date of issuance: 25.09.2026 **Validity: 11.07.2027**

CERTIFICATE № FP-034-093/25.09.2026

Signature:
Director of CBCP
/Dipl. Ing. Alexander Marinchev/

The validity of the certificate is 3 years and is annually re-issued after control check (audit) when there is determined conformity with the characteristics of the product and the conditions of the production or of the production control are not essentially altered. This certificate includes 1 annex of 1 page, which is an integral part of the same.

CBCP to "BULAQUA Standart" LTD is accredited with Accreditation certificate, reg. № 7 ОСП/ 29.04.2025, valid until 22.12.2027, published by Executive Agency "Bulgarian Accreditation Service", according to the requirements of standard BDS EN ISO/IEC 17065:2012.

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CERTIFICATION BODY FOR CONSTRUCTION PRODUCTS
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Annex №1

To certificate for "Quality Mark of BWA" № FP-034-093/25.09.2026

1. Dimensions

№	Product	Working pressure PN, bar	SDR	Nominal size DN/ OD, mm	Material
1.	Pipe	10 16	17 11	16 ≤ DN/OD < 75	Monolayer – PE 100 and PE 100 RC
2.	Pipe	10 16	17 11	75 ≤ DN/OD < 250	
3.	Pipe	10 16	17 11	250 ≤ DN/OD < 710	

Issuance date: 25.09.2026

Sofia

Signature:

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Annex №2

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Evaluated characteristics in accordance with the international standards

Characteristic	Declaration requirement
Appearance	Smooth and clean surface, without cracks and surface pores According to BDS EN 12201-2:2024, item 6.1
Colour	For water for human consumption: blue or black with blue stripes For conveying untreated water, for sewerage under pressure and drainage, vacuum sewerage systems and for water for other purposes: black or black with brown stripes According to BDS EN 12201-2:2024, item 6.2
Geometrical characteristics, mm	According to BDS EN 12201-2:2024, Tables 1 and 2
Hydrostatic strength (80 °C-1000 h)	≥ 1000h without damage According to BDS EN 12201-2:2024, Table 3
Elongation at break, %	≥ 350 % According to BDS EN 12201-2:2024, Table 3
Oxidation induction time (thermal stability), min	≥ 10 min According to BDS EN 12201-2:2024, Table 5
Melt mass-flow rate (MFR), 190 °C/ 5 kg/ 10 min	Maximum deviation ± 20 % between the measured value MFR of the raw material and the pipe According to BDS EN 12201-2:2024, Table 5
Longitudinal reversion, %	≤3,0 %, original appearance of the pipe shall remain According to BDS EN 12201-2:2024, Table 5
Resistance to SCG for PE 100-RC Strain hardening test (SHT)	Declared characteristic of raw material by manufacturer According to BDS EN 12201-1:2024, Table 1

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Resistance to SCG for PE 100-RC Accelerated notched pipe test (ANPT)	Declared characteristic of raw material by manufacturer According to BDS EN 12201-1:2024, Table 1
Resistance to SCG for PE 100-RC Cracked round bar test (CRB)	Declared characteristic of raw material by manufacturer According to BDS EN 12201-1:2024, Table 1

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