

LABKONSULT PLUS OOD
LK* TESTING LABORATORY

Accreditation certificate reg. No 71ЛМ /26.07.2018 valid until 29.01.2020, issued by EA "BAS",
pursuant to the requirements of BDS EN ISO/IEC 17025:2006

TEST PROTOCOL
No 1-0393/20.01.2020

1. Product name: Manholes and apertures, receiving waters, plastic drainage channels:
MANHOLE CHAMBER OF POLYETHYLENE, TYPE "RCHG-800-800", FOR W&S,
ELECTRICAL AND TELECOMMUNICATIONS
(name of product - denotation, type, brand, .uid, etc..)

2. Applicant for the test: "RECO PRODUCTION LTD", 27 Stoyan Edrev, ciyty of Novi Iskar Искър, as per letter dated 06.01.20120.

Application No 0393-01/08.01.2020.

(name and address of the applicant, number and date of the engagement letter, contract, application)

3. Test methods: BDS EN 1253-2:2015 Receiving waters (gullies) for buildings. Part 2: Roof and floor receiving waters (gullies) without hydraulic trap.
(name, number and year of issue of the documents)

4. Date of receipt of the test specimens: 08.01.2020 with incoming No 0393, according to Protocol for sampling No 01/20.12.2019 from the client.
(date, incoming No according to ledger for incoming-outgoing correspondence, number and date of the Protocol for sampling, who has taken the sample - the client or the laboratory)

5. Identification of the samples/testing specimens: 1 manhole system (base with cover) type "RCHC-800-800";
Producer: "RECO PRODUCTION Ltd, city of Sofia
(type, quantity, dimensions, mass, manufacturer's part number, batch, date of production, producer, other data provided by the client)

6. Date and place of the test: 13.01.2020 - 18.01.2020r.

Test laboratory at "LABKONSULT PLUS"OOD, 1540 Sofia, Sofia Airport, Northern region

HEAD OF TESTING LABORATORY:

signature and stamp (Assoc. Prof. Dr. Eng. L. Vitanov)

7. Test results

No	Name of the tested indicator	Measuring unit	Testing methods (standardized/ validated methods)	No of the tested sample as per incoming-outgoing ledger	Test results (value, uncertainty)	Value and tolerance of the tested indicator according to standard/ specification	Test conditions
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Note: The results from the testing refer only to the tested samples/specimens. The testing protocol or excerpts from it cannot be disseminated without the written consent of the Testing Laboratory

1	2	3	4	5	6	7	8
1.	Resistance to external load and deformation		BDS EN 1253-2:2015, it.5.3, Table 5,6,7	0393		BDS EN 13598-1:2011, it.9, Table.2	22.5°C Tested manhole chamber system (base with cover) for vertical load class L15 F _T =15kN V=1,0 kN/c Block for testing for CO>300 mm, φ = 250 mm 5-fold loading up to 2/3F _T =10kN; 1-fold loading up to F _T =15kN/5 min After 1h - deformation measuring
1.1.	Resistance to external load	kN / visually			Endured after 5-fold testing with F _p =101M and subsequent testing with F _T =15 without destruction	Without destruction after loading; deformation of horizontal dimensions not more than 6%	
1.2.	Deformation (after application of load)	mm			9.6		

8. Announcing the compliance of the test results with the limit values according to the standard / specification: inapplicable.

(identification of the results, for which announcement of compliance is applied; unambiguous identification of the standard / specification and the implemented rule for decision making)

NOTE I: If necessary, the test report may include a declaration of conformity, according to the requirements of it. 7.8.6 from BDS EN 180 / 1EC 17025: 2018.

NOTE II: The testing laboratory is not responsible for any samples and information provided by the customer which could affect the validity of the results. Test results apply only to the tested samples / specimens. The test report or extracts from it may not be reproduced without the written consent of the Testing Laboratory.

NOTE III: The declared extended uncertainty of the measurement result is defined as the product of the combined standard uncertainty and the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability Approximately 95%.

TESTING PERFORMED BY: 1...signature (illegible).....2 signature (illegible)
Assoc. Prof. Dr. Eng. L. Vitanov (Eng. M Yanev)
(family name, signature)

HEAD OF TESTING LABORATORY: signature (illegible) and stamp
(Assoc. Prof., Dr. Eng. L. Vitanov)
(signature, family name, stamp)