

ANNUAL REPORT

2023



PTS
BULGARIA

Prepared by:
eng. Atanas Atnasov

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When Quality Matters





eng. Valentin Belovski
managing partner



eng. Atanas Atanasov
quality manager



Dr. eng. Ivanka Dobрева
materials engineer



eng. Martin Nedkov
technical expert

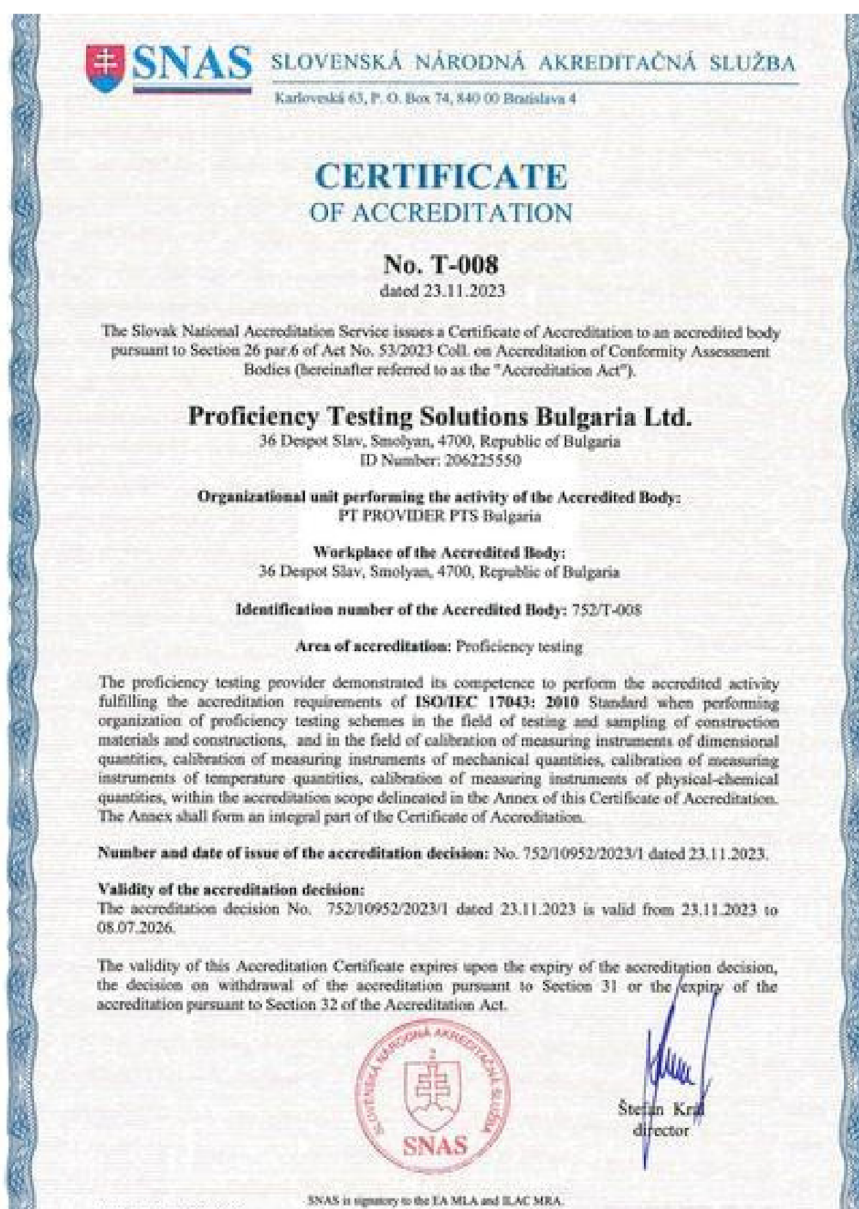


Tatyana Kasabova
assistant

and others.....



In 2023, the company successfully passed a second supervisory audit with an extension by the Slovak Accreditation Service (SNAS). The scope has been updated and expanded with a new activity to conduct proficiency testings in the field of calibration.





SCOPE OF ACCREDITATION:

FIELD "SAMPLING":

- Agregates;
- Construction soils;
- Filler;
- Bitumen and bitumen products;
- Asphalt (bituminous) mixtures;
- Laid and compacted asphalt layers (pavements);
- Fresh concrete;
- Cement;
- Sprayed concrete;
- Construction mortars.

FIELD "TESTING":

- Agregates;
- Construction soils;
- Filler;
- Bitumen and bitumen products;
- Bitumen and bitumen products;
- Asphalt (bituminous) mixtures;
- Laid and compacted asphalt layers (pavements);
- Fresh concrete;
- Hardened concrete;
- Cement;
- Sprayed concrete;
- Construction mortars;
- Concrete products;
- Masonary units;
- Waterproofings.

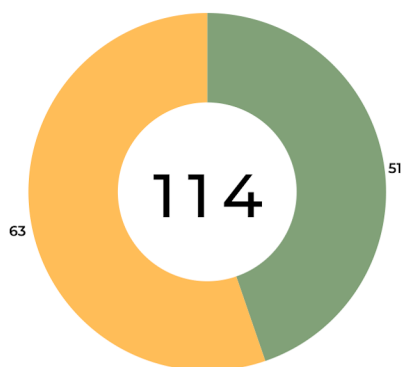
FIELD "CALIBRATION":

- Lengh and plane angle;
- Force, Pressure and Mass;
- Temperature;
- Phisyco-chemical quantities.



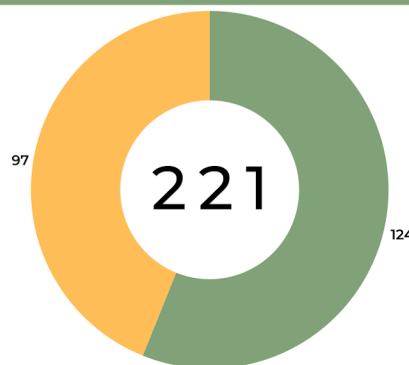
In 2023, 9 proficiency testings were conducted. Five PT schemes for construction laboratories and four PT schemes for calibration laboratories. Also two interlaboratory comparisons other than proficiency testings were conducted for laboratories testing motor vehicles.

Participants from 21 countries around the world



- Total number of laboratories (114)
 - Bulgaria (51)
 - Other countries (63)

- Total number of participations (221)
 - Bulgaria (124)
 - Other countries (97)



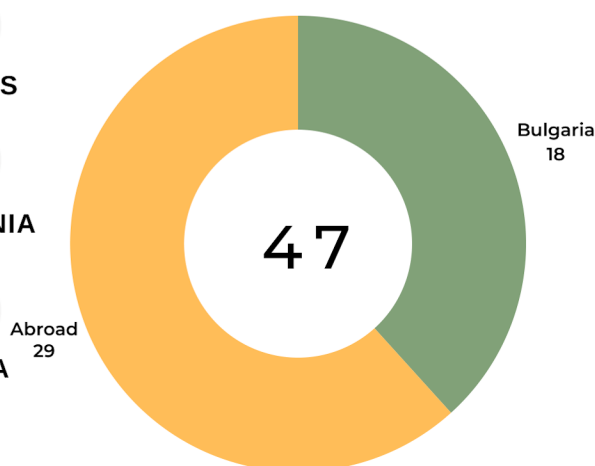


PROFICIENCY TESTING № PTS 23/01

HARDENED CONCRETE



Participating countries Total number of participations

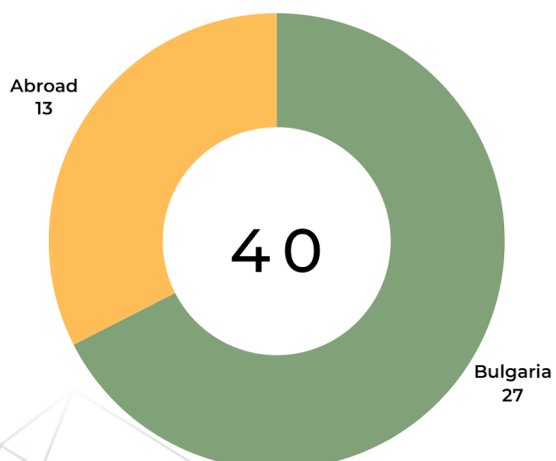


PROFICIENCY TESTING № PTS 23/03-1

LAID AND COMPACTED ASPHALT LAYER (PAVEMENT)



Total number of participations Participating countries





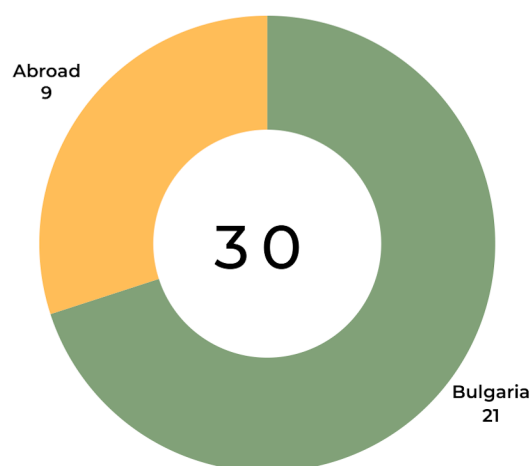
PROFICIENCY TESTING № PTS 23/03-2

ASPHALT (BITOUMINOUS) MIXTURE



Participating countries

Total number of participations



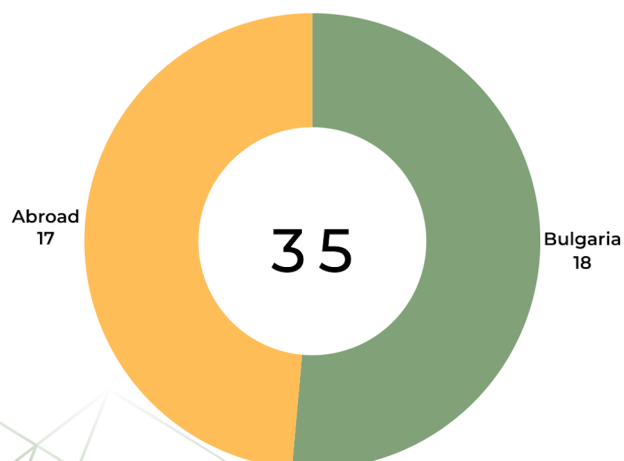
PROFICIENCY TESTING № PTS 23/04

BITUMEN



Total number of participations

Participating countries





PROFICIENCY TESTING № PTS 23/04

FRESH CONCRETE



Participating countries Total number of participations


BOSNIA AND HERZEGOVINA


ROMANIA


BELGIUM


NORTH MACEDONIA


MOLDOVA


MALTA


BULGARIA


SERBIA


CROATIA

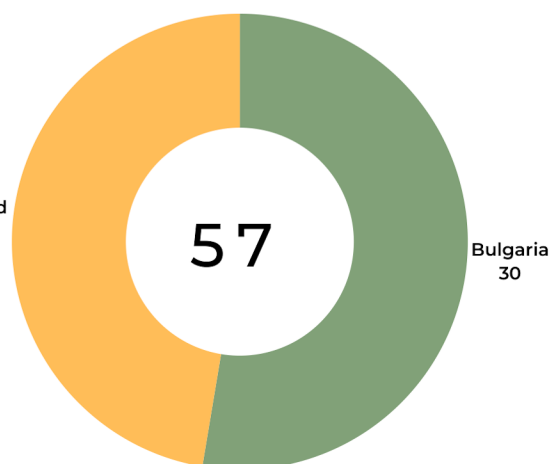

ALBANIA


MONTENEGRO


LITHUANIA


JORDAN

Abroad
27





PROFICIENCY TESTING № PTS 23/01-CRH

AIR RELATIVE HUMIDITY

Participating countries

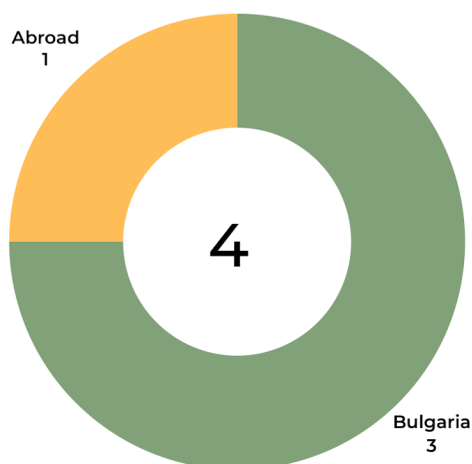
Total number of participations



BULGARIA



SLOVAKIA

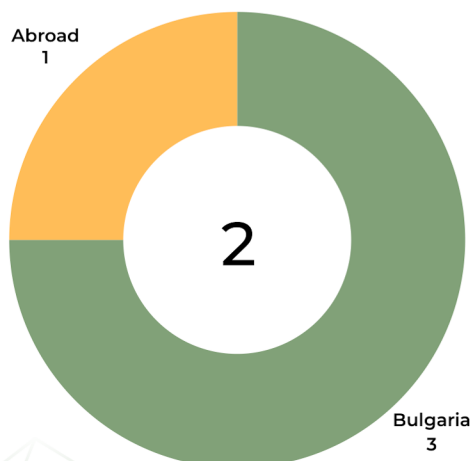


PROFICIENCY TESTING № PTS 23/02-CA

PLANE ANGLE

Participating countries

Total number of participations



BULGARIA



SLOVAKIA



PROFICIENCY TESTING № PTS 23/03-CL

LENGTH

Participating countries

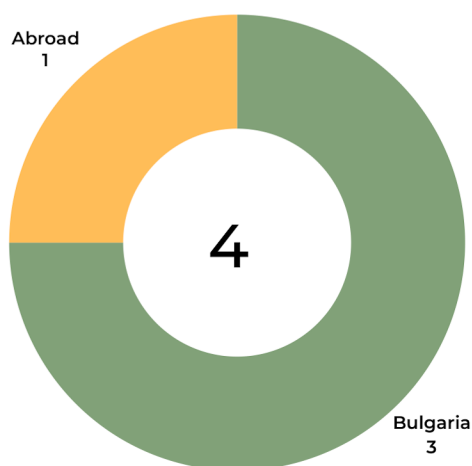
Total number of participations



BULGARIA



SLOVAKIA

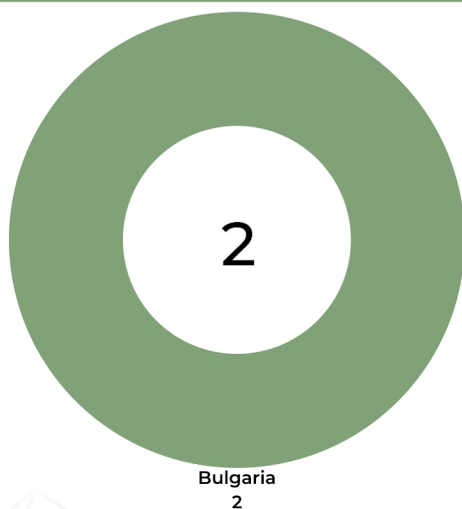


PROFICIENCY TESTING № PTS 23/04-CO

VOLUME BY GRAVIMETRICAL METHOD

Participating countries

Total number of participations



BULGARIA



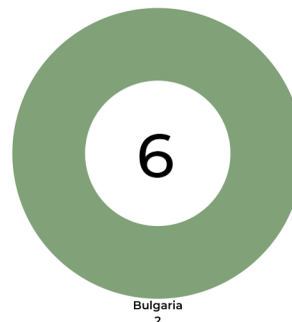
INTERLABORATORY COMPARISON № PTS 23/2-A

BRAKING EFFICIENCY OF THE SERVICE BRAKING SYSTEM
BRAKING EFFICIENCY OF THE PARKING BRAKE



Participating countries

Total number of participations



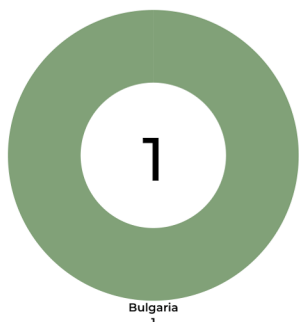
INTERLABORATORY COMPARISON № PTS 23/11-A

MASS OF TRAVEL TRAILER



Total number of participations

Participating countries

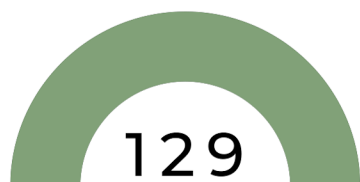




PTS Academy in 2023

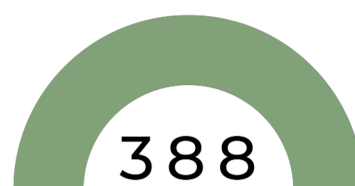


In 2023, eight group trainings and three individual trainings were organized and conducted.



Total number of organizations
(129)

Total number of participants
(388)





TRAINING № PTSBG 23/01

ASSESSMENT OF MEASUREMENT UNCERTAINTY IN QUANTITATIVE MICROBIOLOGICAL TESTING OF FOODS - A PRACTICAL APPROACH (EN ISO 19036:2020)

Number of participations

- Organizations (17)
- Participants (34)

Some of the
participating companies



TRAINING № PTSBG 23/02

MODULE 1

GENERAL REQUIREMENTS OF БДC EN ISO/IEC 17025:2018 AND APPLICABLE NATIONAL AND INTERNATIONAL GUIDELINES FOR GOOD LABORATORY PRACTICE

MODULE 2

REQUIREMENTS AND IMPLEMENTATION OF ISO 19011:2018 IN TESTING AND/OR CALIBRATION LABORATORIES

Some of the
participating companies

Number of participations

- Organizations (36)
- Participants (63)





TRAINING № PTSBG 23/03

WATER SAMPLING FOR MICROBIOLOGICAL TESTS (ISO 19458:2006).
ASSESSMENT OF UNCERTAINTY IN WATER SAMPLING FOR
MICROBIOLOGICAL TESTS. ASSESSMENT OF MEASUREMENT
UNCERTAINTY IN QUANTITATIVE MICROBIOLOGICAL TESTS OF
WATERS (ISO 29201:2012 AND БДС EN ISO 19036:2020)

Number of participations

- Organizations (16)
- Participants (24)

Some of the
participating companies



TRAINING № PTSBG 23/04

METROLOGICAL TRACEABILITY OF MEASUREMENT RESULTS AND ITS
MAINTENANCE. REVIEW OF DOCUMENT ILAC-G24:2022 / OIML D 10:2022
GUIDELINES FOR THE DETERMINATION OF RECALIBRATION INTERVALS
FOR MEASURING INSTRUMENTS.
TEST AND CALIBRATION METHODS - DOCUMENTING THEIR VERIFICATION
AND VALIDATION IN SUPPORT OF LABORATORY SCOPE FORMATION

Some of the
participating companies

Number of participations

- Organizations (37)
- Participants (60)





TRAINING № PTSBG 23/05

GENERAL REQUIREMENTS OF БДC EN ISO/IEC 17025:2018
AND APPLICABLE NATIONAL AND INTERNATIONAL
GUIDELINES FOR GOOD LABORATORY PRACTICE

Number of participations

- Organizations (16)
- Participants (21)

Some of the
participating companies



TRAINING № PTSBG 23/06

EURACHEM GUIDE ACCREDITATION FOR MICROBIOLOGICAL
LABORATORIES, THIRD EDITION 2023

Some of the
participating companies

Number of participations

- Organizations (43)
- Participants (64)





VALIDATION AND VERIFICATION OF TEST METHODS - REQUIREMENTS
AND GOOD PRACTICES IN COMPLIANCE WITH THE REQUIREMENTS OF
BAC EN ISO/IEC 17025. FIT FOR PURPOSE MEASUREMENT
UNCERTAINTY - TARGET TEST MEASUREMENT UNCERTAINTY

Number of participations

- Organizations (31)
- Participants (59)

Some of the
participating companies



TRAINING N° PTSBG 23/08

THE CONCEPT OF RISK APPLICABLE TO PROCESSES AND
LABORATORY ACTIVITIES (SAMPLING, TESTING AND CALIBRATION)
ACCORDING TO THE REQUIREMENTS OF БДC EN ISO/IEC 17025:2018.
RISKS AND OPPORTUNITIES MANAGEMENT.
GOOD LABORATORY PRACTICE FOR THE MANAGEMENT OF
DOCUMENTS AND RECORDS





TRAINING № PTSBG 23/11-I-1

THEORY AND PRACTICE IN DETECTION AND TYPING OF MICROORGANISMS. THEORETICAL AND PRACTICAL APPLICATION OF THE REQUIREMENTS OF THE STANDARDS FOR SAMPLE PREPARATION, PLACING OF SAMPLES AND REPORTING OF RESULTS: БДC EN ISO 6579-1:2017, БДC EN ISO 11290-1:2017 AND БДC ISO 21527-1:2011. PREPARATION OF LIQUID AND SOLID FOOD MEDIA AND THEIR SPILLAGE. WORK WITH STRAINS OF MICROORGANISMS (CRM) - SALMONELLA ENTERICA SUBSP. ENTERICA, LISTERIA MONOCYTOGENES, STAPHYLOCOCCUS AUREUS, ESCHERICHIA COLI AND ENTEROCOCCUS FAECALIS. RECONSTITUTION OF THE STRAINS ACCORDING TO THE MANUFACTURER'S REQUIREMENTS AND OBSERVATION OF THE MORPHOLOGY OF THE DIFFERENT TYPES OF MICROORGANISMS.

Number of participations

- Organizations (1)
- Participants (3)

Participating company



SIGMA LAB LTD



TRAINING № PTSBG 23/11-I-2

THEORY AND PRACTICE IN DETECTION AND TYPING OF MICROORGANISMS. THEORETICAL AND PRACTICAL APPLICATION OF THE REQUIREMENTS OF THE STANDARDS FOR SAMPLE PREPARATION, PLACING OF SAMPLES AND REPORTING OF RESULTS: БДC EN ISO 13366-1:2008, БДC EN ISO 6888-1:2022, БДC EN ISO 4833-1:2013 AND БДC EN ISO 4833-2:2013. MICROBIOLOGICAL CONTROL OF WATER FOR DRINKING AND DOMESTIC PURPOSES. APPLICATION OF THE REQUIREMENTS OF STANDARDS БДC EN ISO 6222:2002, БДC EN ISO 9308-1:2014 AND БДC EN ISO 7899-2:2003.

Number of participations

- Organizations (1)
- Participants (3)

Participating company



SIGMA LAB LTD





TRAINING № PTSBG 23/12-I-1

THEORY AND PRACTICE IN DETECTION AND TYPING OF MICROORGANISMS. THEORETICAL AND PRACTICAL APPLICATION OF THE REQUIREMENTS OF THE STANDARDS FOR SAMPLE PREPARATION, PLACING OF SAMPLES AND REPORTING OF RESULTS: ISO 4832:2006, БДC ISO 16649-2:2014 AND БДC EN ISO 21528-2:2017.

Number of participations

- Organizations (1)
- Participants (3)

Participating company



SIGMA LAB LTD





In 2023:

1 seven internal audits were conducted.



2 integrated systems of 9 organizations were prepared according to different management standards.



3 6 organizations were consulted on site regarding the practical application of standard testing and sampling methods.

