

# CERTIFICATE OF ACCREDITATION

**No. T-008**

dated 23.11.2023

The Slovak National Accreditation Service issues a Certificate of Accreditation to an accredited body pursuant to Section 26 par.6 of Act No. 53/2023 Coll. on Accreditation of Conformity Assessment Bodies (hereinafter referred to as the "Accreditation Act").

**Proficiency Testing Solutions Bulgaria Ltd.**

36 Despot Slav, Smolyan, 4700, Republic of Bulgaria  
ID Number: 206225550

**Organizational unit performing the activity of the Accredited Body:**  
PT PROVIDER PTS Bulgaria

**Workplace of the Accredited Body:**  
36 Despot Slav, Smolyan, 4700, Republic of Bulgaria

**Identification number of the Accredited Body:** 752/T-008**Area of accreditation:** Proficiency testing

The proficiency testing provider demonstrated its competence to perform the accredited activity fulfilling the accreditation requirements of **ISO/IEC 17043: 2010** Standard when performing organization of proficiency testing schemes in the field of testing and sampling of construction materials and constructions, and in the field of calibration of measuring instruments of dimensional quantities, calibration of measuring instruments of mechanical quantities, calibration of measuring instruments of temperature quantities, calibration of measuring instruments of physical-chemical quantities, within the accreditation scope delineated in the Annex of this Certificate of Accreditation. The Annex shall form an integral part of the Certificate of Accreditation.

**Number and date of issue of the accreditation decision:** No. 752/10952/2023/1 dated 23.11.2023.**Validity of the accreditation decision:**

The accreditation decision No. 752/10952/2023/1 dated 23.11.2023 is valid from 23.11.2023 to 08.07.2026.

The validity of this Accreditation Certificate expires upon the expiry of the accreditation decision, the decision on withdrawal of the accreditation pursuant to Section 31 or the expiry of the accreditation pursuant to Section 32 of the Accreditation Act.



Štefan Král  
director



**Scope of Accreditation**

**Accredited body:** Proficiency Testing Solutions Bulgaria Ltd.  
36 Despot Slav, Smolyan, 4700, Republic of Bulgaria

**Organizational unit performing the activity of the accredited body:**  
PT PROVIDER PTS Bulgaria

**Place of performance of the accredited body:**  
36 Despot Slav, Smolyan, 4700, Republic of Bulgaria

**Identification number of the accredited body:** 752/T-008

## Specification of activities of proficiency testing provider

Item	Field	Subject of proficiency testing	Compared properties (parameters, indicators, analytes), Range of compared values (informative)	Indication of the proficiency testing program	Other specification
1	Construction	Aggregates (lightweight and normal-weight coarse, fine and all-in aggregates)	Particle size distribution	PTS year/month-T-XX	At least once per 5 years
			Fines content (Percentage of fines)		
			Shells content		
			Shape index		
			Overall flakiness index		
			Percentage of crushed particles		
			Percentage of totally crushed particles		
			Percentage of totally rounded particles		
			Polished Stone Value		
			Water content		
			Loose bulk density		
			Particle density:		
			- Apparent particle density		
			- Oven- dried particle density		
			- Saturated and surface-dried particle density		
			- Pre-dried particle density		
			Water absorption		
			Percentage of voids		
			Magnesium sulfate value		
			Sand equivalent		
			Methylene blue value		
			Resistance to fragmentation by static loading		
			Resistance to fragmentation – Los Angeles coefficient		
			Resistance to wear (micro deval coefficient)		
			Affinity between aggregate and bitumen – degree of bitumen coverage		
			Resistance to freezing and thawing (Loss of mass)		
			Loss of strength of basalt aggregate		
			Loss of mass of basalt aggregate		
			Total content of water-soluble salts		
			Content of water-soluble sulfates		
			Content of acid soluble sulfates		
			Content of lightweight contaminants		
			Potential presence of humus		
			Content of water-soluble chloride salts		
			Content of acid soluble chloride salts		
			Total sulfur content		

## Annex to the Certificate of Accreditation No. T-008 dated 23.11.2023.

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Item	Field	Subject of proficiency testing	Compared properties (parameters, indicators, analytes), Range of compared values (informative)	Indication of the proficiency testing program	Other specification
2	Construction	Construction soils/ Aggregates for unbound and hydraulically bound mixtures	Particle size distribution	PTS year/month-T-XX	At least once per 5 years
			Fines content (Percentage of fines)		
			Magnesium sulfate value		
			Resistance to fragmentation by static loading		
			Resistance to fragmentation – Los Angeles coefficient		
			Shape index		
			Overall flakiness index		
			Resistance to wear (micro deval coefficient)		
			Loose bulk density		
			Percentage of voids		
			Sand equivalent		
			California bearing ratio – CBR		
			Laboratory reference density and water content - Proctor compaction: - maximum bulk density - optimum water content		
			Percentage of crushed particles Percentage of totally crushed particles Percentage of totally rounded particles		
			Particle density: - Apparent particle density - Oven- dried particle density - Saturated and surface-dried particle density - Pre-dried particle density		
			Water absorption		
			Plasticity Index		
			Liquid limit		
			Plastic Limit		
			Water content		
			Compressive strength		
			Particle density		
			Elastic module, Deformation module, Deformation modules ratio		
			Bulk density by substitute sand		
			Bulk density of skeleton by substitute sand		
			Bulk density		



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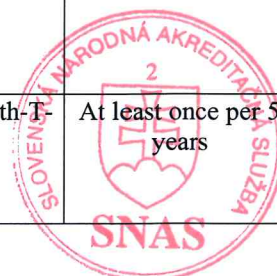
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Item	Field	Subject of proficiency testing	Compared properties (parameters, indicators, analytes), Range of compared values (informative)	Indication of the proficiency testing program	Other specification
3	Construction	Filler	Particle size distribution Water content Specific density Particle density Methylene blue value Change of softening point by delta ring and ball test Total content of water-soluble salts Content of water-soluble sulfates Content of acid soluble chloride salts Content of acid soluble sulfates Content of water-soluble chloride salts Total sulfur content	PTS year/month-T-XX	At least once per 5 years
4		Bitumen and bitumen products (bitumen, modified bitumen, emulsion, asphalt paste)	Penetration Softening point Elastic recovery Residual binder and oil distillate by distillation Properties of the residue after evaporation/distillation: - penetration; - softening point; - elastic recovery. Fraass breaking point Flash point Solubility Density Efflux time /viscosity/ Particle polarity Storage stability Mixing stability with cement Resistance to hardening at 163°C: change of mass Resistance to hardening at 163°C: retained penetration Resistance to hardening at 163°C: change of softening point Ductility Thermal resistance index Bitumen content Storage stability. Penetration difference between the upper and lower layer Storage stability. Softening point difference between the upper and lower layer Elastic recovery of the residue after loss of mass Residue on 0,5 mm sieve Adhesivity with limestone material pH	PTS year/month-T-XX	At least once per 5 years





Item	Field	Subject of proficiency testing	Compared properties (parameters, indicators, analytes), Range of compared values (informative)	Indication of the proficiency testing program	Other specification
5	Construction	Asphalt (bituminous) mixtures	Maximum density Air voids content Bulk density Stability Flow Particle size distribution Soluble binder content Indirect tensile strength Indirect tensile strength ratio (Water sensitivity) Binder drainage Dimensions of a bituminous specimen” -height; - diameter;	PTS year/month-T-XX	At least once per 5 years
6		Laid and compacted bituminous layers	Irregularity of pavement courses /the straightedge test/ Thickness of a bituminous pavement	PTS year/month-T-XX	At least once per 5 years
7		Fresh concrete	Air content Slump Density Flow table test	PTS year/month-T-XX	At least once per 5 years
8		Hardened concrete	Compressive strength Freeze-thaw resistance with de-icing salts Density Tensile splitting strength Flexural strength Water impermeability / Depth of penetration of water under pressure Rebound number Resistance to direct freezing and thawing - loss of mass; -loss of compressive strength	PTS year/month-T-XX	At least once per 5 years
9		Cement	Compressive strength Setting times Soundness Standard consistence	PTS year/month-T-XX	At least once per 5 years
10		Sprayed concrete	Energy absorption capacity Compressive strength of young sprayed concrete	PTS year/month-T-XX	At least once per 5 years
11		Mortars (Construction mortars and construction mortars for screed materials)	Bulk density of fresh mortar Particle size distribution Dry bulk density of hardened mortar Flexural strength Compressive strength Adhesive strength on substrates	PTS year/month-T-XX	At least once per 5 years
12		Grout for prestressing tendons	Fluidity Compressive strength	PTS year/month-T-XX	At least once per 5 years



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Item	Field	Subject of proficiency testing	Compared properties (parameters, indicators, analytes), Range of compared values (informative)	Indication of the proficiency testing program	Other specification
13	Construction	Concrete products (Concrete paving flags, Concrete kerb units, Concrete paving blocks)	Tensile splitting strength	PTS year/month-T-XX	At least once per 5 years
			Water absorption		
			Resistance to frost (Loss of mass after test freeze – thaw with de-icing salt)		
			Failure load		
			Shape and dimensions		
			Bending strength		
			Abrasive wear (abrasion according to the Böhme test)		
			Thickness of cover layer		
			Unpolished slip resistance		
14		Masonry units	Geometric dimensions and shape	PTS year/month-T-XX	At least once per 5 years
			Water absorption		
			- water absorption coefficient due to capillary		
			- initial rate of water absorption		
			Compressive strength		
			Water absorption		
15		Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles	Dry density:	PTS year/month-T-XX	At least once per 5 years
			- gross density		
16		Sampling of construction materials	- net density	PTS year/month-S-XX	At least once per 5 years
			Bond strength		
			Lightweight aggregates		
			Aggregates		
			Fine aggregates		
			All-in aggregates		
			Construction soils		
			Aggregates for unbound and hydraulically bound mixtures		
			Filler		
			Bitumen		
			Modified bitumen		
			Emulsion		
			Asphalt paste		
			Asphalt (bituminous) mixtures		
			Laid and compacted asphalt (bituminous) mixtures		
			Fresh concrete		
			Cement		
			Sprayed concrete		
			Construction mortars		
			Construction mortars for screed materials		
17	Length and Plane angle	Calibration of measuring instruments for geometrical quantities	Micrometers	PTS year/month-C-XX	At least once per 5 years
			Caliper devices		
			Line scales and measuring tapes		
			Measuring microscopes and profile projectors		
			Dial gauges		
			Gauges blocks and measurement Standards		
			Plain angle gauges		



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18	Force and moment of force meters	Calibration of measuring instruments of mechanical quantities	Force gauges	PTS year/month-C-XX	At least once per 5 years
			Force testing machines		
			Hardness blocks and testers		
			Torque measuring instruments		
19	Pressure		Pressure measuring instruments	PTS year/month-C-XX	At least once per 5 years
20	Mass		Balances/scales	PTS year/month-C-XX	At least once per 5 years
			Weights		
			Volume measures by gravimetric method		
21	Temperature	Calibration of measuring instruments of temperature quantities	Temperature indicators and simulators	PTS year/month-C-XX	At least once per 5 years
			Temperature transducers and sensors		
			Thermometers		
22	Physico-chemical quantities	Calibration of measuring instruments of physicochemical quantities	pH Meters	PTS year/month-C-XX	At least once per 5 years
			Conductometers		
			Spectrophotometers		
			Hygrometers for relative humidity of air		

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