



**INSTITUT IMS AD
BEOGRAD**

**Institute for testing materials a.d.
PT Provider IMS Institute - PIMS**
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PT PROVIDER IMS INSTITUTE REGISTER OF COMPETENCE CONFIRMATIONS

S. №	Participant	Issuing date	№ of Confirmation	Programme (scheme) code	PT activity domain			Remarks
					Subject of testing/product	Testing method	Properties/parameters	
1.	Zavod za javno zdravlje Istarske županije, Služba za zdravstvenu ekologiju, Laboratorij za akustička mjerenja, Pula, Republic Croatia	24.09.15.	01/15	PIO BUK/a 01/15	Environmental noise level (traffic noise)	ISO 1996-2	L_{Aeq} L_{AE} L_{AFmax} L_{A5} L_{A10} L_{A50} L_{A90} L_{A95}	z'-score
2.	Gradežen institut Makedonija a. d., Zavod Laboratorija – sektor ABK, Skopje, Republic Macedonia	20.11.15.	02/15	PIO CEM/fhm 01/15	Physical, chemical and mechanical properties of cement	EN 196-1 EN 196-2, a. 4 EN 196-3 EN 196-6, a. 3 & 4	prism mass flexural strength after 2, 7 & 28 days compressive strength after 2, 7 & 28 days standard consistency water content setting times soundness fineness by sieving method (mesh sieve of 90 & 45 μ m) fineness by Blaine method ignition loss SiO_2 content Fe_2O_3 content CaO content MgO content sulphate content insoluble residue in HCl/KOH & HCl/ Na_2CO_3 chlorine ion content	z'-score



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3.	Institut za puteve a. d., Zavod za građevinske materijale, Laboratorija za beton i veziva, Beograd, Republic Serbia	15.12.15.	03/15	PIO CEM/fhm 01/15	Physical, chemical and mechanical properties of cement	EN 196-1 EN 196-2, a. 4 EN 196-3 EN 196-6, a. 3 & 4	prism mass flexural strength after 2, 7 & 28 days compressive strength after 2, 7 & 28 days standard consistency water content setting times soundness fineness by sieving method (mesh sieve of 90 µm) fineness by Blaine method ignition loss SiO ₂ content Al ₂ O ₃ content CaO content Na ₂ O content K ₂ O content sulphate content insoluble residue in HCl & Na ₂ CO ₃ chlorine ion content	z'-score
4.	Institut za zaštitu, ekologiju i obrazovanje, Tuzla, Bosnia and Herzegovina	15.04.16.	01/16	PIO KAG/fm 01/16	Physical and mechanical properties of stone aggregate	EN 933-1 EN 1097-2	particle size distribution of fractions: 0 ÷ 4 mm 8 ÷ 16 mm resistance to fragmentation by "Los Angeles" method	z-score
5.	OD Putna laboratorija 1957, Sarajevo, Bosnia and Herzegovina	18.04.16.	02/16	PIO KAG/fm 01/16	Physical and mechanical properties of stone aggregate	EN 933-1 EN 1097-2	particle size distribution of fractions: 0 ÷ 4 mm 4 ÷ 8 mm 8 ÷ 16 mm resistance to fragmentation by "Los Angeles" method	z-score



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6.	GEING Krebs und Kiefer International & others Ltd, Skopje, Republic Macedonia	25.04.16.	03/16	PIO KAG/fm 01/16	Mechanical properties of stone aggregate	EN 1097-2	resistance to fragmentation by "Los Angeles" method	z-score
7.	Centralni laboratorij "IGH" d.o.o., Mostar, Bosnia and Herzegovina	13.05.16.	04/16	PIO KAG/fm 01/16	Physical and mechanical properties of stone aggregate	EN 933-1 EN 1097-2	particle size distribution of fractions: 0 ÷ 4 mm 8 ÷ 16 mm resistance to fragmentation by "Los Angeles" method	z-score
8.	Cemex Hrvatska d.d., Odjeljenje osiguranja kvalitete, Kaštel Šućurac, Republic Croatia	06.02.17.	01/17	PIO CEM/h 01/16	Chemical properties of cement CEM II/A (S-L) 42.5 R	EN 196-2, a. 4 EN 196-2, a. 5	ignition loss, content of sulfate, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, CO ₂ , Cl ⁻ , free CaO, and insoluble residue in HCl/KOH and HCl/Na ₂ CO ₃ content of sulfate, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, Na ₂ O and K ₂ O	z'-score, except for ignition loss and sulfate content (a.4) where z-score
9.	Building Research Institute – NISI Ltd., Testing Centre for Construction, Sofia, Bulgaria	06.02.17.	02/17	PIO OPC/f 03/16	Physical properties of clay bricks with vertical voids	EN 772-3 EN 772-11 EN 772-13 EN 772-21	net volume and percentage of voids initial rate of water absorption net and gross dry density water absorption by cold water	z'-score
10.	GEING Krebs und Kiefer International & others Ltd, Skopje, Republic Macedonia	06.04.17.	03/17	PIO BUK/a 01/16	Environmental noise level (indoors)	ISO 1996-2	L _{AeqT} L _{Aeq 125 Hz, T} L _{Aeq 500 Hz, T} L _{Aeq 8kHz, T}	z-score
11.	ADING a.d., Skopje, Republic Macedonia	26.04.17.	04/17	PIO KAG/fm 01/17	Physical properties of stone aggregate	EN 933-4	determination of particle shape – shape index	z-score
12.	CHIMAR HELLAS S.A., Thessaloniki, Greece	08.05.17.	05/17	PIO PIV/fm 01/17	Physical and mechanical properties of OSB chipboard	EN 310 EN 317 EN 321	modulus of elasticity and bending strength swelling in thickness moisture resistance	z'-score



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13.	Institut za zaštitu, ekologiju i obrazovanje d.d., Tuzla, Bosnia and Herzegovina	11.05.17.	06/17	PIO KAG/f 03/16	Physical properties of stone aggregate	EN 933-1	particle size distribution of fraction 0 ÷ 4 mm (except fraction 2 ÷ 4 mm)	z-score
14.	OD Putna laboratorija 1957, Sarajevo, Bosnia and Herzegovina	16.05.17.	07/17	PIO KAG/fm 01/17	Physical properties of stone aggregate	EN 933-4 EN 1097-3	determination of particle shape – shape index determination of loose bulk density	z-score
15.	Cemex Hrvatska d.d., Odjeljenje osiguranja kvalitete, Kaštel Šućurac, Republic Croatia	02.06.17.	08/17	PIO CEM/h 01/17	Chemical properties of cement CEM II/A (S-L) 42.5 R	EN 196-2, a. 4 EN 196-2, a. 5 EN 196-10	ignition loss, content of sulfate, CO ₂ , Cl ⁻ ion, free CaO, and insoluble residue in HCl/KOH and HCl/Na ₂ CO ₃ content of sulfate, SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, Na ₂ O and K ₂ O content of water-soluble chromium (VI)	z'-score, except for ignition loss where z-score
16.	ITM Sh.p.k., Tirane, Albania	15.06.17.	09/17	PIO BIT/fm 01/17	Physical properties of bitumen for road construction	EN 1427	determination of softening point – ring and ball method	z-score
17.	Institut za bezbednost i humanizaciju rada d.o.o., Novi Sad, Republic Serbia	10.07.17.	10/17	PIO BUK/a 01/17	Environmental noise level (indoors)	ISO 1996-2	L _{AeqT} L _{Aeq} 63 Hz,T L _{Aeq} 125 Hz,T L _{Aeq} 250 Hz,T L _{Aeq} 500 Hz,T L _{Aeq} 1 kHz,T L _{Aeq} 2 kHz,T L _{Aeq} 4 kHz, T L _{Aeq} 8 kHz, T	z'-score



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18.	JSC Tyrimų laboratorija, Kretinga, Lithuania	10.07.17.	11/17	PIO ZIZ/a 01/17	Field measurement of airborne and impact sound insulation between rooms	EN ISO 16283-1 EN ISO 16283-2	apparent sound reduction index R' normalized impact sound level L' _n (in the frequency range from 100 Hz to 5000 Hz by third octave frequency)	z'-score
19.	Institut za zaštitu, ekologiju i obrazovanje d.o.o., Tuzla, Bosnia and Herzegovina	28.08.17.	12/17	PIO BUK/a 01/17	Environmental noise level (indoors)	ISO 1996-2	L _{AeqT} L _{Aeq} 63 Hz, T L _{Aeq} 125 Hz, T L _{Aeq} 250 Hz, T L _{Aeq} 500 Hz, T L _{Aeq} 1 kHz, T L _{Aeq} 2 kHz, T L _{Aeq} 4 kHz, T L _{Aeq} 8 kHz, T	z'-score
20.	LTM d.o.o., Oroslavje, Croatia	31.08.17.	13/17	PIO PPZ/p 01/17	Reaction to fire - non-combustibility test of mineral wool	EN ISO 1182	ΔT _f ΔT _c ΔT _s t _f	z-score z'-score z'-score z-score
21.	Rail System Testing GmbH, Hennigsdorf, Germany	11.09.17.	14/17	PIO PPZ/p 01/17	Reaction to fire - non-combustibility test of mineral wool	EN ISO 1182	ΔT _f ΔT _c ΔT _s Δm t _f	z-score z'-score z'-score z-score z-score
22.	Forschungsinstitut für Anorganische Werkstoffe-Glass/Keramik GmbH, Hoehr-Grenzhausen, Germany	18.11.17.	15/17	PIO KER/fm 01/17	Water absorption of ceramic tiles	EN ISO 10545-3	boiling method vacuum method	z'-score z'-score



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23.	Fabrika cementa Lukavac, Lukavac, Bosnia and Herzegovina	08.12.17.	16/17	PIO CEM/fm 02/17	Physical and mechanical properties of cement	EN 196-1 EN 196-3 EN 196-6, a. 3 & 4	prism mass flexural strength after 2, 7 & 28 days compressive strength after 2, 7 & 28 days standard consistency water content setting times soundness fineness by sieving method (mesh sieve of 45 µm and 90 µm) fineness by Blaine method	z'-score z'-score z-score z-score z'-score z'-score z'-score