



**INSTITUT IMS AD  
BEOGRAD**

**Institute for testing materials - IMS  
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**IMS INSTITUTE PROVIDER PROGRAMME FOR 2021 YEAR**

Programme (scheme) code	Type of scheme Category of scheme: sim/seq/qual/quan	PT activity domain			Period of implementation					Minimum participants	Cost per property/parameter (€)**
		Subject of testing/product	Testing method	Properties/Parameters	Application (date/deadline)	Test item shipment (date)	Results delivery (date)	Test item return** (delivery deadline)	Final Report (date)		
PIO KAG/fm 01/21	split sample scheme (simultaneous quantitative)	natural aggregate	EN 1097-2	resistance to fragmentation	01.02.21.	05.04.21.	19.04.21.	-	07.05.21.	11	240
			EN 1097-6*	water absorption							240
PIO CEM/h 01/21	split sample scheme (simultaneous quantitative)	cement	EN 196-2 a.4	wet chemistry chemical analyses	15.02.21.	25.03.21.	16.04.21.	-	07.05.21.	7	240
			EN 196-2 a.5	XRF spectroscopy chemical analyses							240
			EN 196-10	water-soluble chromium (VI) content of cement							180
PIO BUK/a 01/21	split sample simultaneous quantitative	duct silencer (tubular)	EN 1235	insertion loss (sound power level reduction along silencer using loudspeaker(s) (D <sub>i</sub> ) same, through the wall of silencer (D <sub>t</sub> ))	19.03.21.	19.04.21.	-	26.04.21.	4	200	
										200	

**Postponed due to pandemic**

**Canceled due to insufficient participants**

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\*\* for particular sequential schemes

\*\*\* the cost do not include the sample delivery expences



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PIO BUK/a 02/21	comparing measurements (simultaneous quantitative)	environmental noise level (outdoors)	ISO 1996-1 ISO 1996-2	L <sub>Aeq</sub> , L <sub>AF5</sub> , L <sub>AF10</sub> , L <sub>AF50</sub> , L <sub>AF90</sub> , L <sub>AF95</sub>	05.04.21.	03. ÷ 07.05.21.	03. ÷ 07.05.21.	-	07.06.21.	11	300
PIO BUK/a 03/21	comparing measurements (sequential quantitative)	sound power level of noise (free field measurement)	EN ISO 3744*	L <sub>A</sub>	05.04.21.	03. ÷ 07.05.21.	03. ÷ 07.05.21.	-	07.06.21.	5	300
PIO BIT/f 01/21	split sample scheme (simultaneous quantitative)	bitumen for roads	EN 1426	needle penetration	17.05.21.	10.06.21.	02.07.21.	-	26.07.21.	9	180
			EN 1427	softening point – ring and ball method							180
PIO OTP/h 01/21	CRM scheme (simultaneous quantitative)	inorganic solid waste	EN 15309*	elementary composition – instrumental method	07.06.21.	21.06.21.	12.07.21.	-	16.08.21.	5	280
PIO CEM/m 02/21	split sample scheme (simultaneous quantitative)	cement mortar	EN 1542*	pull-off test	28.06.21.	26.07.21.	23.08.21.	-	20.09.21.	7	320

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PIO BUK/a 04/21	comparing measurements (sequential quantitative)	environmental noise level (indoors)	ISO 1996-1 ISO 1996-2	$L_{Aeq}$ (63 Hz ÷ 8 kHz), $L_{Aeq,63Hz(1/1)}$ , $L_{Aeq,125Hz(1/1)}$ , $L_{Aeq,250Hz(1/1)}$ , $L_{Aeq,500Hz(1/1)}$ , $L_{Aeq,1kHz(1/1)}$ , $L_{Aeq,2kHz(1/1)}$ , $L_{Aeq,4kHz(1/1)}$ , $L_{Aeq,8kHz(1/1)}$	06.09.21.	20. ÷ 24. 09.21.	20. ÷ 24. 09.21.	-	29.10.21.	9	300
PIO BUK/a 05/21	comparing measurements (sequential quantitative)	occupational (exposure) noise level	EN ISO 9612*	$L_{Aeq1}$ , $L_{Aeq2}$ , $L_{Aeq3}$ , $L_{AEX8h}$	06.09.21.	20. ÷ 24. 09.21.	20. ÷ 24. 09.21.	-	12.11.21.	5	300
PIO KAG/fm 02/21	split sample scheme (simultaneous quantitative)	natural stone aggregate 0 ÷ 8 mm	EN 933-1	particle size distribution – after washing	04.10.21.	25.10.21.	15.11.21.	-	13.12.21.	13	250

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PIO CEM//fm 03/21	split sample scheme (simultaneous quantitative)	cement	SRPS B.C8.023	bulk density	25.10.21.	15.11.21.	23.12.21.	-	17.01.22.	13	100
			EN 196-1	prism mass							100
				flexural strength (after 2, 7 & 28 days)							180
				compressive strength (after 2, 7 & 28 days)							180
			EN 196-3	standard consistency water content							100
				determination of setting times							100
				soundness							100
			EN 196-6 a.3	sieving method (90 and 45 µm)							100
			EN 196-6 a.4	air permeability – Blaine method							120
			EN 196-8	heat of hydration							120
EN 196-9*	heat of hydration	120									

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