BITULAB LTD

ARAVISSOS GIANNITSON 58100
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LABORATORY TEST REQUEST FORM

CLIENT			
S/N	**MATERIAL**	**S/N**	**MATERIAL**
Sample brought by client		YES/NO	
Provider info			
APPLICANT (Position, name, signature)			
Date			
FILLED BY BITULAB	**Date of receipt of request form**		
	Request form number		

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LABORATORY TESTS TO AGGREGATES AND TERRITORIALS

TEST DESCRIPTION	MATERIAL S/N	ACCEPTANCE	
☐ Sampling of aggregates		☐ ASTM D75	☐ EN 932-1
☐ Reduction of laboratory samples of aggregates		☐ ASTM C702	☐ EN 932-2
☐ Standard practice for dry preparation of soil samples for particle size analysis and determination of soil constants		☐ ASTM D421	—
☐ Determination of particle size distribution, sieving method (aggregates)		☐ ASTM D136 & ASTM D117	☐ EN 933-1
☐ Determination of particle size distribution, sieving method (soils)		☐ E105-86§7	—
☐ Sieve analysis by washing for materials finer than 75 μm		☐ E105-86§8	—
☐ Sand equivalent		☐ ASTM D2419	☐ EN 933-8
☐ Methylene blue		—	☐ EN 933-9
☐ Flow coefficient of aggregates		—	☐ EN 933-6 §8
☐ Flakiness index		—	☐ EN 933-3
☐ Los Angeles		☐ ASTM C131	☐ EN 1097-2
☐ Water content by drying in a ventilated oven		☐ ASTM C566	☐ EN 1097-5
☐ Determination of total evaporable moisture content of soils		☐ E105-86§2	—
☐ Determination of particle density and water absorption		☐ ASTM C127,C128	☐ EN 1097-6
☐ Determination of specific gravity of soil solids		☐ E105-86§4 (ASTMD854)	—
☐ Microdeval		—	☐ EN 1097-1
☐ Determination of lose bulk density and voids		☐ ASTM C29	☐ EN 1097-3
☐ Determination of California Bearing Ratio		☐ E105-86§12	☐ EN 13286-47
☐ Proctor compaction (modified)		☐ E105-86§11	☐ EN 13286-2
☐ Determination of density and unit weight of soils in place by the sand and cone method		☐ E106-86§2	—
☐ Magnesium sulfate test		☐ ASTM C88	☐ EN 1367-2
☐ Determination of liquid limit, plastic limit and plasticity index of soils		☐ E105-86 §5&6	—
☐ Determination of lightweight contaminations		—	☐ EN 1744-1§14.2
☐ Determination of organic matter in soils by wet combustion		☐ AASHTO T-194	—
☐ Determination of potential presence of humus		—	☐ EN1744-1§15.1
☐ Determination of in place density and water content of soil aggregate by nuclear method (shallow depth)		☐ ASTM D6938	—
☐ Determination of water soluble chloride salts using Mohr method		—	☐ EN 1744-1 § 9
☐ Determination of clay lumps and friable particles in aggregates		☐ ASTM C142	☐ EN 1744-1 § 9

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LABORATORY TESTS TO BITUMINOUS MIXTURES

TEST DESCRIPTION	MATERIAL S/N	ACCEPTANCE	
☐ Sampling of bituminous mixtures		☐ ASTM D979	☐ EN 12697-27
☐ Sampling of bituminous mixtures		☐ ASTM D 5361	☐ EN 12697-27
☐ Asphalt mix design		☐ P.T.P., MS-2 Asphalt Institute	☐ EN 12697-35
☐ Determination of thickness or height of compacted bituminous paving mixture specimens		☐ ASTM D 3549	—
☐ Determination of soluble binder content and of particle size distribution		☐ ASTM D2172 & C5444	☐ EN 12697-1 & 12697-2
☐ Determination of resistance of plastic flow of bituminous mixtures using Marshall apparatus		☐ ASTM D 1559	—
☐ Determination of field VMA based on maximum specific gravity of the mix and of present air voids in compacted dense and open bituminous mixtures		☐ ASTM D6995, D3203	—
☐ Determination of maximum density		—	☐ EN 12697-5
☐ Determination of bulk density		—	☐ EN 12697-6
☐ Determination of void characteristics		—	☐ EN 12697-8
☐ Preparation of samples for determining binder content, water content and grading		—	☐ EN 12697-28
☐ Determination of theoretical maximum specific gravity and density		☐ ASTM D2041	—
☐ Determination of bulk specific gravity and density of non absorptive compacted bituminous mixtures		☐ ASTM D2726	—
☐ Determination of bulk specific gravity and density of compacted bituminous mixtures using coated samples		☐ ASTM D1188	—
☐ Sampling preparation of bituminous specimens using Marshall apparatus and determination of Marshall stability and flow		☐ ASTM D6926 & D6927	—
☐ Marshall Test		—	☐ EN 12697-34
☐ Determination of water sensitivity of bituminous mixtures		☐ ASTM D1074 & D1075	☐ EN 12697-12 & EN 12697-23
☐ Determination of indirect tensile test		—	☐ EN 12697-23
☐ Determination of the dimensions of bituminous mixtures		—	☐ EN 12697-29
☐ Specimen preparation by impact compactor		—	☐ EN 12697-30
☐ Stripping Resistance		☐ ASTM D1664	—

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LABORATORY TESTS TO BITUMINOUS EMULSIONS

TEST DESCRIPTION	MATERIAL S/N	ACCEPTANCE	
☐ Asphaltic emulsion sampling		☐ ASTM D140	—
☐ Sampling and preparation of test samples		—	☐ EN 58 & EN12594
☐ Determination of settling tendency		☐ ASTM D244	☐ EN 12847
☐ Determination of water content (distillation method)		☐ ASTM D244	☐ EN 1428
☐ Recovery of binder from bituminous mixtures (by evaporation)		☐ ASTM D244	☐ EN 13074-1
☐ Recovery of binder from bituminous emulsion (Stabilisation after recovery by evaporation)		—	☐ EN 13074-2
☐ Determination of viscosity Saybolt method (25 & 50 °C)		☐ ASTM D244	—
☐ Determination of efflux time		—	☐ EN 12846-1
☐ Determination of residual binder and oil distillate from bituminous emulsions by distillation		☐ ASTM D402	☐ EN 1431
☐ Sieve test		☐ ASTM D244	—
☐ Determination of residue on sieving		—	☐ EN 1429
☐ Determination of storage stability by sieving		—	☐ EN 1429
☐ Coating test		☐ ASTM D244	—
☐ Determination of particle polarity		☐ ASTM D244	☐ EN 1430
☐ Determination of the Fraas breaking point		—	☐ EN 12593
☐ Determination of mixing stability with cement		☐ ASTM D244	☐ EN 12848
☐ Determination of breaking value (mineral filler method)		—	☐ EN 13075-1
☐ Determination of the pH value		—	☐ EN 12850
☐ Determination of adhesivity by water immersion test		—	☐ EN 13614
TESTS ON RESIDUE			
☐ Determination of needle penetration		☐ ASTM D5	☐ EN 1426
☐ Determination of softening point (ring and ball method)		☐ ASTM D36	☐ EN 1427
☐ Determination of ductility test		☐ ASTM D113	—
☐ Determination of elastic recovery of modified bitumen		☐ ASTM D5892	☐ EN 13398

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LABORATORY TESTS TO BITUMINOUS BINDERS

TEST DESCRIPTION	MATERIAL S/N	ACCEPTANCE	
☐ Sampling of bituminous material		☐ ASTM D140	—
☐ Sampling preparation of test samples		—	☐ EN 58 & EN 12594
☐ Determination of needle penetration		☐ ASTM D5	☐ EN 1426
☐ Determination of ductility		☐ ASTM D113	—
☐ Determination of softening point (ring and ball method)		☐ ASTM D36	☐ EN 1427
☐ Determination of flash and fire points (Cleveland open cup method)		☐ ASTM D92	☐ EN 22592
☐ Resistance to hardening (RFT)		—	☐ EN 12607-3
☐ Recovery of asphalt from solution (Rotary evaporator)		☐ ASTM D5404	☐ EN 12697-3
☐ Determination of the elastic recovery of modified bitumen		☐ ASTM D5892	☐ EN 13398
☐ Determination of the effect of heat and air on a moving film of asphalt (Roll Thin Film Oven Test)		☐ ASTM D2872	☐ EN 12607-1

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ROAD MARKING TESTS

TEST DESCRIPTION	MATERIAL S/N	ACCEPTANCE	
☐ Road marking performance for road signs		—	☐ EN 1436
☐ Fixed, vertical road traffic signs		☐ OMOE	—

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LABORATORY TESTS TO CONCRETE

TEST DESCRIPTION	MATERIAL S/N	ACCEPTANCE	
☐ Fresh concrete sampling		☐ ΣΚ – 350	—
☐ Cubic concrete samples strength		☐ ΣΚ – 304	—
☐ Core sampling		☐ ΚΤΣ – 97	—