**SCOPE 222 ЛИ**

**Sofia, 31.07.2025**

**EVROPAT 2005 LTD**

**CONSTRUCTION TESTING LABORATORY**

**Management address:** 6300 Haskovo, 14 Kozloduy Str, Floor 5

**L**aboratory **address:** 6300 Haskovo, Suchukmaz Area, Asphalt Base

**To perform testing of**:

| **Type of the scope:** *Flexible\** | | | |
| --- | --- | --- | --- |
| **№** | **Tested products** | **Type of test / characteristic** | **Testing methods**  **(standard / validated method)** |
| 1 | 2 | 3 | 4 |
| 1. | Rock/additive materials | 1.1. Grain size composition | БДС EN 933-1 |
| 1.2. Fine fraction content | БДС EN 933-1 |
| 1.3. Sand equivalent | БДС EN 933-8+А1 |
| 1.4. Form coefficient | БДС EN 933-4 |
| * 1. Percentage of: * crushed grains; * completely crushed grains;   - entirely rounded grains | БДС EN 933-5 |
| * 1. Grain density * specific grain density; * volume grain density in dry condition;   -grain density in a water-saturated surface dry condition; | БДС EN 1097-6,  cl. 7, cl. 8, cl. 9, |
| 1.7. Water absorption | БДС EN 1097-6,  cl. 7, cl. 8; cl. 9, |
| 1.8. Shell contents | БДС EN 933-7 |
| 1.9. Magnesium sulfate amount (mass loss when tested with magnesium sulfate – frost resistence) | БДС EN 1367-2 |
| 1.10. Water content | БДС EN 1097-5 |
| 2. | Asphalt mixtures | 2.1 Soluble binder content | БДС EN 12697-1  Appendix В, cl. В 1.5 |
| 2.2 Grain size content | БДС EN 12697-2 +А1 |
| 2.3 Bulk density | БДС EN 12697-6, Procedure B |
| 2.4 Maximum density | БДС EN 12697-5, Procedure A |
| 2.5 Air pore content | БДС EN 12697-8, cl. 4 |
| 2.6 Marshall resistence | БДС EN 12697-34 |
| 2.7 Marshall conditional ductility | БДС EN 12697-34 |
| 2.8 Dimensions of the tested body:  - diameter;  - height | БДС EN 12697-29 |
| 2.9 Compaction degree | БДС EN 12697-9\*\* |
| 2.10 Temperature | БДС EN 12697-13 |
| 2.11 Water content | БДС EN 12697-14 |
| 2.12 Asphalt layer thickness | БДС EN 12697-36, cl. 4.2 |
| 3. | Bitumen | 3.1. Penetration | БДС EN 1426 |
| 3.2. Softening temperature | БДС EN 1427 |
| 4. | Construction soils | 4.1 Leak point | Ordinance № РД-02-20-2 on road design, by the MRDPW Appendix, № 15\* |
| 4.2 Drain point; Flexibility index | Ordinance № РД-02-20-2 on road design, by the MRDPW Appendix, № 16\* |
| 5. | Fine filler | 5.1 Grain size content | БДС EN 933-1 |
| 5.2 Water content | БДС EN 1097-5 |

**To perform sampling of:**

| **Scope Type: Flexible** | | |
| --- | --- | --- |
| **№** | **Name of the tested products** | **Test methods (standardized/validated)** |
| **1** | **2** | **3** |
| 1. | Rock/additive materials | БДС EN 932-1, cl. 8.8 |
| 2. | Asphalt mixtures | БДС EN 12697-27, cl. 4.1; cl. 4.7 |
| 3. | Bitumen | БДС EN 58, cl. 8.1.4 |
| 4. | Construction soils | БДС 17146, cl. 5 |
| 5. | Fine filler | БДС EN 932-1, cl. 8.3; cl. 8.4; cl. 8.5; cl. 8.7 |

***\*Flexible scope:*** *Implementing a new version of standards/documents or standards/ documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by laboratory.*

**Flexible scope references:**

Ordinance № РД-02-20-2, on road design, issued by the Ministry of Regional Developmant and Public Works (MRDPW), Appendix № 15, Appendix № 16.

*\*\* Repealed but not replaced standard with regard to the testing method.*