SCOPE 173 ЛИ

CONTROL CONSULT - 96 LTD.

Construction Testing Laboratory

**Management and Laboratory address**:

1415 Sofia, Dragalevtsi District, 28 Gorska Polyana Str.

**To perform testing of:**

| **Type of the scope:** *flexible* | | | |
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| **№** | **Tested products** | **Type of test / characteristics** | **Test methods**  **(standard/validated method)** |
| **1** | **2** | **3** | **4** |
| 1. | Bituminous mixtures | 1.1 Volume density | БДС EN 12697-6 (Procedure В) |
| 1.2. Maximum density | БДС EN 12697-5 (Procedure A) |
| 1.3. Air voids content. | БДС EN 12697-8 |
| 1.4. Sustainability (Stability) | БДС EN 12697-34 |
| 1.5. Flow/plasticity | БДС EN 12697-34 |
| [1.6. Soluble binder](ftp://www.nab-bas.bg) content | БДС EN 12697-1 Annex В, cl. В.2.1 |
| 1.7. Particle size distribution. | БДС EN 12697-2 +A1 |
| 1.8. Bulk density of core specimen. | БДС EN 12697-6 |
| 1.9. Height of the asphalt specimen. | БДС EN 12697-29 |
| 1.10. Diameter of an asphalt specimen. | БДС EN 12697-29 |
| 1.11. Thickness of a bituminous pavement. | БДС EN 12697-36 |
| 1.12. Conditional reference density. | \*\*БДС EN 12697-9 |
| 1.13. Degree of compaction. | \*\*БДС EN 12697-9 |
| 2. | Road and airfield surface characteristics | 2.1. Roughness of the pavement surface. Longitudinal. | БДС EN 13036-7 |
| 2.2. Roughness of the pavement surface. Transverse. | БДС EN 13036-7 |
| 3. | Additive materials.  Aggregates | 3.1. Particle size distribution. | БДС EN 933-1 |
| 3.2. Sand equivalent. | БДС EN 933-8+A1 |
| 3.3. Water content. | БДС EN 1097-5 |
| 4. | Construction soils  [1] Unbound mixtures. Aggregates  [2] Hydraulically bound soils | 4.1. Particle size distribution. | БДС EN 933-1 [1] |
| 4.2. Inequigranularity coefficient. | БДС EN ISO 14688-2[1] |
| 4.3. Maximum volume density of the skeleton. Proctor compaction test method. | БДС 17146 [1,2] |
| 4.4. Optimum water content. | БДС 17146 [1,2] |
| 4.5. Standard density of the skeleton. Proctor compaction testing. | БДС EN 13286-2 [1,2] |
| 4.6. Optimum water content. | БДС EN 13286-2 [1,2] |
| 4.7. Elastic modulus. Deformation moduli. Ratio of deformation moduli Е2/Е1. | БДС 15130 [1,2] |
| 4.8. Dry soil density in-place by the sand-cone method. | AASHTO Т191 [1,2] |
| 4.9. Liquid limit. | Ordinance № РД-02-20-2, Annex 15 |
| 4.10. Plastic limit. | Ordinance № РД-02-20-2, Annex 16 |
| 4.11. Plasticity indicator. | Ordinance № РД-02-20-2, Annex 16 |
| 4.12. Degree of compactabilty | БДС 17146 cl. 1.8. |
| 5. | Concrete mixtures | 5.1 Consistence/slump | БДС EN 12350-2 |
| 5.2 Density | БДС EN 12350-6 |
| 6. | Concrete (matured) | 6.1 Density | БДС EN 12350-7 |

**To perform** sampling **of:**

|  |  |  |
| --- | --- | --- |
| **Type of the scope:** *flexible* | | |
| **№** | **Products** | **Sampling methods**  **(standard/validated method)** |
| **1** | **2** | **3** |
| 1. | Asphalt mixtures | БДС EN 12697-27 cl.4.1, cl.4.3, cl.4.4, cl.4.6, cl.4.7, cl.5 |
| 2. | Additive materials: Aggregates | БДС EN 932-1 cl.8.8, cl.8.9, |
| 3. | Construction soils:  [1] Unbound mixtures, Aggregates,  [2] Hydraulically connected soils | БДС EN 932-11 cl.8.8, cl.8.9, [1]  БДС EN 13286-1 [1], [2] |
| 4. | Concrete mixtures | БДС EN 12350-1 |

***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.*

**References:**

*\*Ordinance № РД-02-20-2 /28.08.2018 for the designing of roads.*

*\*Repealed but not replaced standard.*