**SCOPE 12 ЛИК**

**of Cargo Inspections Services Ltd. Testing and Calibration Laboratory**

**Management and laboratory address:** 8000 Burgas, 5 Ferdinandova Str.

**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. | Petroleum and liquid petroleum products | Density | БДС EN ISO 3675  ASTM D5002 |
| 2. | Petroleum | Sulphur | ASTM D4294 |
| Sediments | ASTM D473 |
| Water | ASTM D4928 |

**To perform sampling of:**

|  |  |  |
| --- | --- | --- |
| **Type of the scope**: *flexible\** | | |
| **№** | **Products** | **Sampling methods**  **(standard/validated method)** |
| **1** | **2** | **3** |
| 1. | Petroleum and liquid petroleum products | БДС EN ISO 3170 |

***Note****: Testing is performed only on the premises of the laboratory.*

***\*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 CAB.*

**To perform calibration of:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Type of the scope**: *Fixed* | | | | | |
| **№** | Type of measuring instrument | Measured quantuty, measurement unit | Measurement  range | Measure  ment  uncertainty | Calibration method |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Horizontal and vertical tanks | Volume,  m3, l | From 0.1 m3 to 1 m3  (from 100 l to 1000 l) | 0,20% | CIG-01-05: 2015  (strapping method) |
| From 1 m3 to 10 m3  (from 1000 l to 10000 l) | 0,20% |
| From 10 m3 to 100 m3  (from 10000 l to 100000 l) | 0,15%-0,10% |
| From 100 m3 to 1000 m3  (from 100000 l to 1000000 l) | 0,10%-0,08% |
| From 1000 m3 to 10000 m3  (from 1000000 l to 10000000 l) | 0,08%-0,05% |
| From 10000 m3 to 20000 m3  (from 10000000 l to 20000000 l) | 0,08%-0,05% |
| From 20000 m3 to 50000 m3  (from 20000000 l to 50000000 l) | 0,08%-0,05% |

**Reference**: CIG-01-05: 2015 Calibration methods (strapping method) for vertical and horizontal tanks intended for liquid and bulk products.

***Note****: Calibration is performed only at the customer’s premises.*