**SCOPE 307 ЛИ**

**FIDELITAS LAB LTD.**

**TESTING LABORATORY**

**Management and laboratory address:**

9009 Varna, 158 Devnya Str.

**To perform testing of:**

| **Type of the scope:** *fixed* | | | |
| --- | --- | --- | --- |
| **№** | **Tested Products** | **Type of Test/Characteristic** | **Testing methods**  **(standardized / validated methods)** |
| 1 | 2 | 3 | 4 |
| I. | Cereals (wheat, barley, maize); | 1.1.1 Moisture (wheat, barley) | БДС EN ISO 712-1:2024 |
| 1.1.2. Moisture (maize) | БДС EN ISO 6540:2021 |
| 1.2. Bulk density | БДС EN ISO 7971-3:2019 |
| 1.3.1. Nitrogen | БДС EN ISO 20483:2014 |
| 1.3.2. Crude protein |
| 1.4. Ash | БДС EN ISO 2171:2023 |
| 1.5. Falling number | БДС EN ISO 3093:2010 |
| 1.6. Pesticides   * organochlorine * organophosphorus * nitrogen compounds * pyrethroids * carbamates | БДС EN 15662:2018 |
| 1.7. Polychlorinated dibenzodioxines and dibenzofuranes | ВЛМ 10:2023 |
| 1.8. Polychlorinated biphenyls | ВЛМ 10:2023 |
| 1.9. Mycotoxines  - Aflatoxin B1  - Aflatoxin B2  - Aflatoxin G1  - Aflatoxin G2  - Ochratoxin A  - Т-2 toxin  - HT-2 toxin  - Deoxynivalenol  - Zearalenone  - Fumonizin B1  - Fumonizin B2 | ВЛМ 7:2023 |
| II. | Oilseed (sunflower, rapeseed); | 2.1. Moisture and volatile matter | БДС EN ISO 665:2020 |
| 2.2. Oil comtent | БДС EN ISO 659:2009 |
| 2.3. Impurities | БДС EN ISO 658:2004 |
| 2.4.1. Acid value | БДС ISO 729:1999 |
| 2.4.2. Acidity |
| III. | Animal and vegetable oils and fats; | 3.1. Moisture and volatile matter | БДС EN ISO 662:2016 |
| 3.2.1. Acid value | БДС EN ISO 660:2020 |
| 3.2.2. Acidity |
| 3.3. Sediment in crude fats and oils | БДС EN ISO 15301:2003 |
| IV. | Animal feeding stuff (forage). | 4.1. Moisture and volatile matter | БДС ISO 6496:2000 |
| 4.2.1. Nitrogen | БДС EN ISO 5983-2:2009 |
| 4.2.2. Crude protein |
| 4.3. Crude ash | БДС ISO 5984:2022 |
| 4.4. Crude fibre | БДС EN ISO 6865:2001 |
| 4.5. Fat content | БДС ISO 6492:2007 |
| 4.6. Ash insoluble in hydrochloric acid | БДС ISO 5985:2008 |
| 4.7. Polychlorinated dibenzodioxines and dibenzofuranes | ВЛМ 10:2023 |
| 4.8. Polychlorinated biphenyls | ВЛМ 10:2023 |
| 4.9. Mycotoxines  - Aflatoxin B1  - Aflatoxin B2  - Aflatoxin G1  - Aflatoxin G2  - Ochratoxin A  - Т-2 toxin  - HT-2 toxin  - Deoxynivalenol  - Zearalenone  - Fumonizin B1  - Fumonizin B2 | ВЛМ 7:2023 |

**References:**

1. ВЛМ 7:2023 Cereals and animal feeding stuff. Determination of Aflatoxin В1, B2, G1, G2, HT-2 Toxin, T-2 Toxin, Deoxynevalenol (DON), Zearalenone (ZEN), Ochratoxin A (OTA), Fumonisins (FB1, FB2) by QUECHERS extraction and detection by highly effective liquid chromatogroph with mass-selective detertor (LC/MS/MS).
2. ВЛМ 10:2023 Cereals and animal feeding stuff. Determination of polychlorinated dibenzodioxines, polychlorinated dibenzofurans and polychlorinated biphenyls by solid-phase exstraction (SPE) and gas chromatogrophy with mass-selective detertor (GC/MS/MS)