28th March 2018

**Regarding: Submission of information requested in decision VIII/16 on detection and identification of living modified organisms**

**Response to CBD notification ntf-2017-141 (Reference: SCBD/SPS/DC/MM/DA/87054)**

**Submission by GERMANY**

Please find enclosed information regarding the capacity in the detection and identification of living modified organisms (LMO) in Germany and information on specific activities of concerned laboratories.

In Germany, substantial expertise in the field of detection and identification of LMOs is abundant. Please, refer to Annex 1, which provides a list of German competent national laboratories.

Most of these are official control laboratories which fulfill their tasks in accordance with the German Genetic Engineering Act[[1]](#footnote-1), i.e. they carry out control activities in genetic engineering facilities and during the environmental release of genetically modified organisms (GMOs; LMOs are designated GMO in the European Union). Their expertise spans the detection and identification of GMOs and detecting and identifying amounts of GMOs in matrices such as seed, food, and feed[[2]](#footnote-2).

National Reference Laboratories according to Commission Implementing Regulation (EU) No 120/2014[[3]](#footnote-3) support the Community Reference Laboratory in the validation of methods for the detection and identification of GMOs authorised in the EU.

All listed laboratories, which are involved in the analysis of food and feed, and all National Reference Laboratories are accredited in accordance with ISO 17025, thus, assuring high quality of work.

Furthermore, German competent national laboratories and others are involved in the European Network of GMO Laboratories (ENGL)[[4]](#footnote-4). The ENGL network plays an eminent role in the development, harmonisation and standardisation of means and methods for sampling, detection, identification and quantification of GMOs in a wide variety of products in Europe (http://gmo-crl.jrc.ec.europa.eu/ENGL/ENGLmembers.htm).

In order to guarantee a uniform national standard for analyses within the framework of the German Food and Feed Act and the Genetic Engineering Act1, the German Federal Office of Consumer Protection and Food Safety (Bundesamt für Verbraucherschutz und Lebensmittelsicherheit, BVL) publishes an official methods collection of suitable procedures for sampling and detection of GMOs which is available at the Beuth Verlag[[5]](#footnote-5).

An additional important instrument are databases containing detailed information on GMOs known worldwide. The database EUginius [www.euginius.eu](http://www.euginius.eu), e.g., which was developed in cooperation of BVL and the Dutch RIKILT, provides an extensive collection of methods for the detection and identification of LMOs.

**Annex 1**

**Competent national laboratories**

|  |  |  |  |
| --- | --- | --- | --- |
| **Federal State** | **Facility** | **Specific activities as official control laboratory (as of 21.12.2017)** | **National Reference Laboratories according to Commission Implementing Regulation (EU) No** **120/2014** |
| Baden-  Württemberg | Chemisches- und  Veterinäruntersuchungsamt Freiburg  Bissierstraße 5  79114 Freiburg  [www.cvua-freiburg.de](http://www.cvua-freiburg.de) | environmental release, seed, food, feed | √ |
|  | Landwirtschaftliches  Technologiezentrum  Augustenberg  Neßlerstraße 25  76227 Karlsruhe  [www.ltz-bw.de](http://www.ltz-bw.de) | seed, food, feed | √ |
| Bayern | Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit  Veterinär Straße 2  85764 Oberschleißheim  [www.lgl.bayern.de](http://www.lgl.bayern.de) | genetic engineering operations and facilities, environmental release, seed, food, feed | √ |
| Berlin/  Brandenburg | Landeslabor Berlin-Brandenburg,  Institut für Lebensmittel, Arzneimittel, Tierseuchen und Umwelt  Invalidenstraße 60  10557 Berlin  [www.landeslabor.berlin-brandenburg.de](http://www.landeslabor.berlin-brandenburg.de) | genetic engineering operations and facilities, environmental release, seed | √ |
| Landeslabor Berlin-Brandenburg, Frankfurt/Oder | **-** | √ |
| Hamburg | Institut für Hygiene und Umwelt  Marckmannstraße 129b  20539 Hamburg  [www.hamburg.de/hu](http://www.hamburg.de/hu) | genetic engineering operations and facilities, environmental release, seed, food, feed | √ |
| Hessen | Landesbetrieb Hessisches Landeslabor — Standort Kassel | **-** | √ |
| Mecklenburg-Vorpommern | Landesamt für Landwirtschaft,  Lebensmittelsicherheit und Fischerei  Thierfelderstraße 18  18059 Rostock  [www.lallf.de](http://www.lallf.de) | seed, food, feed | √ |
| Niedersachsen | Staatliches Gewerbeaufsichtsamt Hildesheim  DG Labor  An der Scharlake 39  31135 Hildesheim  www.gewerbeaufsicht. niedersachsen.de | genetic engineering operations and facilities, environmental release, seed (sugar beet, potato) |  |
|  | Niedersächsisches Landesamt für  Verbraucherschutz und  Lebensmittelsicherheit (LAVES),  Lebensmittel- und Veterinärinstitut  Braunschweig / Hannover  Dresdenstraße 2  38124 Braunschweig  [www.laves.niedersachsen.de](http://www.laves.niedersachsen.de) | seed (maize, rape, charlock mustard, alfalfa), food, feed | √ |
| Nordrhein-Westfalen | Chemisches und  Veterinäruntersuchungsamt Münsterland-Emscher-Lippe  Joseph-König-Straße 40  48147 Münster  [www.cvua.nrw.de](http://www.cvua.nrw.de) | food |  |
|  | Chemisches und  Veterinäruntersuchungsamt Rhein-Ruhr-Wupper  Deutscher Ring 100  47798 Krefeld | genetic engineering operations and facilities, environmental release, seed, food, feed |  |
|  | Chemisches und  Veterinäruntersuchungsamt Ostwestfalen-Lippe  Westerfeldstraße 1  32758 Detmold | seed (rape, charlock mustard), food |  |
| Rheinland-Pfalz | Landesuntersuchungsamt Rheinland-Pfalz — Institut für Lebensmittelchemie Trier | food | √ |
|  | Landwirtschaftliche Untersuchungs- und Forschungsanstalt (LUFA) Speyer | **-** | √ |
| Saarland | LAV - Landesamt für  Verbraucherschutz  Konrad-Zuse-Straße 11  66115 Saarbrücken | genetic engineering operations and facilities, environmental release, seed, food, feed | √ |
| Sachsen | Staatliche Betriebsgesellschaft für Umwelt und Landwirtschaft  Waldheimer Straße 219, Haus 4  01683 Nossen  [www.smul.sachsen.de/bful](http://www.smul.sachsen.de/bful) | environmental release, seed, feed | √ |
|  | Landesuntersuchungsanstalt für das Gesundheits- und Veterinärwesen Sachsen | **-** | √ |
| Sachsen-Anhalt | Landesamt für Umweltschutz  FG13  Reilstraße 72  06114 Halle/Saale  <http://www.lau.sachsen-anhalt.de/analytik-service/spezialanalytik/experimentelle-gentechnik-ueberwachung/> | genetic engineering operations and facilities, environmental release, seed |  |
|  | Landesamt für Verbraucherschutz Sachsen-Anhalt — Fachbereich Lebensmittelsicherheit | **-** | √ |
| Schleswig-  Holstein | Landeslabor Schleswig-Holstein  Max-Eyth-Straße 5  24537 Neumünster | seed, food, feed | √ |
| Thüringen | Thüringer Landesamt für  Verbraucherschutz -TLV  Tennstädter Straße 8/9  99947 Bad Langensalza  [www.thueringen.de/th7/tlv/gesundheitsschutz/index.aspx](http://www.thueringen.de/th7/tlv/gesundheitsschutz/index.aspx) | genetic engineering operations and facilities, environmental release | √ |
|  | Thüringer Landesanstalt für Landwirtschaft  Naumburger Straße 98  Postfach 100262  07743 Jena  [www.thueringen.de/th9/tll/index.aspx](http://www.thueringen.de/th9/tll/index.aspx) | seed, feed |  |
| Bund | Bundesinstitut für Risikobewertung  <http://www.bfr.bund.de/de/start.html> | **-** | √ |
|  | Bundesamt für Verbraucherschutz und Lebensmittelsicherheit  [https://www.bvl.bund.de](https://www.bvl.bund.de/DE/Home/homepage_node.html) | **-** | √  National Reference Laboratory for GMO according to Regulation (EC) No 882/2004 |

Sources:

Official control laboratories: (<http://www.lag-gentechnik.de/dokumente/Verteiler/Verteiler5_Ueberwachungslaboratorien_20_12_2017.pdf>) (German language only);

National Reference Laboratories according to Commission Implementing Regulation (EU) No 120/2014:

<http://eur-lex.europa.eu/legal-content/DE/ALL/?uri=CELEX%3A32014R0120>

1. German Genetic Engineering Act (Gentechnikgesetz; GenTG), BCH Record 40587; <http://bch.cbd.int/database/record.shtml?documentid=40587> [↑](#footnote-ref-1)
2. List of the official control laboratories (Gentechnik-Überwachungslabore of the Bund/Länder- Arbeitsgemeinschaft Gentechnik); <http://www.lag-gentechnik.de/dokumente/Verteiler/Verteiler5_Ueberwachungslaboratorien_20_12_2017.pdf>. (German language only) [↑](#footnote-ref-2)
3. Commission Implementing Regulation (EU) No 120/2014; <http://eur-lex.europa.eu/legal-content/DE/ALL/?uri=CELEX%3A32014R0120> [↑](#footnote-ref-3)
4. Associated to ENGL member institutions; <http://gmo-crl.jrc.ec.europa.eu/ENGL/ENGL-Associated-9.3.htm> [↑](#footnote-ref-4)
5. Official methods collection (Amtliche Sammlung von Untersuchungsverfahren) at Beuth Verlag, fee required; <https://www.methodensammlung-bvl.de/de> [↑](#footnote-ref-5)