

## Evaluation Report on the Results of the National Residue Control Plan and the Import Monitoring Plan 2019

BfR opinion No 002/2022 of 5 January 2022

The National Residue Control Plan (NRCP) is a programme for monitoring food of animal origin, e.g. meat, milk or honey for residues and contaminants. Animal products from non-EU states are examined on the basis of the Import Control Plan (ICP).

For residues of pharmacologically active substances and for environmental contaminants such as heavy metals or dioxins, maximum limits or maximum levels are often set for food of animal origin, which shall not be exceeded. The objective of food monitoring under the NRCP and the ICP is to verify compliance with those limits, to detect the illegal use of prohibited or unauthorised substances and to identify the causes of increased levels of residues and contaminants. Sampling is target-oriented.

The Federal Office of Consumer Protection and Food Safety has presented the results of the 58,138 samples examined by the competent authorities of the German federal states ("Laender") in the context of the NRCP 2019 as well as 1,072 samples of the 2019 ICP.

Out of the NRCP samples, 249 samples (0.43%) contained substances in amounts that rendered the samples non-compliant. The ratio has hardly changed compared to 2018 (0.42%). Under the ICP, the authorities identified eight non-compliant samples (0.73%). This ratio has hardly changed compared to 2018 (0.56%).

The evaluation of these results by the German Federal Institute for Risk Assessment (BfR) regarding toxicological risks and risks of the selection of microbiological resistances showed that direct health risks for consumers with single or occasional consumption of food of animal origin which are contaminated with the reported levels were unlikely. In order to estimate intake levels, the BfR used the data of National Nutrition Study II, among others. These data were supplemented by data from a survey on the frequency of consumption of rarely eaten food.

The public interest occasionally focuses on food that are contaminated with dioxins and polychlorinated biphenyls (PCBs). Within the NRCP 2019 study, only very isolated exceedances of the maximum levels for dioxins and PCBs were found. However, from the point of view of consumer health protection, efforts should continue to further reduce levels of dioxins and PCBs in (animal-based) food as a whole. Exceedances of maximum levels have been reported in isolated cases for the heavy metals cadmium, lead, mercury and copper. A health impairment through the intake of these heavy metals is unlikely even with high consumption of food at the levels found.

According to the European Food Safety Authority, no exposure level without health concern can be derived for lead. Levels in food should be as low as reasonable achievable (ALARA).

The full version of this BfR opinion is available in German on <https://www.bfr.bund.de/cm/343/bewertungsbericht-zu-den-ergebnissen-des-nationalen-rueckstandskontrollplans-und-des-einfuhreueberwachungsplans-2019.pdf>