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Expert Opinion

GMO-Analysis of refined soybean oil samples

Sample:	Refined soybean oil
Sample number:	Genius #2010.01, 3.6. 10
Sampling:	Client
Receipt of sample:	8.6.2010
Sample size:	ca. 100mL

Testing was conducted for the presence of DNA sequences from genetically modified soybean events through the use of a GMO screening process that encompasses all commercially approved GM soybean events world-wide.

The GMO analysis was conducted in the assay request by an accredited analytical laboratory (Eurofins/GeneScan, Freiburg). In this laboratory, testing of food and feed is performed within the scope of ISO 17025 accreditation. In addition, this laboratory fulfils the requirements of ISO 9001 for service testing, thus ensuring competent and reliable performance based on defined processes.

Results:

The sample does not contain detectable transgenic DNA sequences that are characteristic for the 35S promoter of Cauliflower Mosaic Virus (CaMV) or that are characteristic for the 34S promoter element of the Figwort Mosaic Virus (FMV). These target sequences are commonly engineered in genetically modified plants. The sample also does not contain detectable transgenic DNA with the combination of the genetic elements SAMS-promoter/ALS gene, which is characteristic for the soybean events Optimum™ GAT and TREUS.

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In conclusion, the applied GMO screening does not detect DNA sequences from any currently commercialised GM-soy varieties or other unknown GMO events containing the genetic elements CaMV35S-promoter or FMV-promoter.

According to the type and scope of the examinations conducted, no genetically modified components could be verified in the sample at hand.

Darmstadt, 1st July 2010

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