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Report of analysis M1409-0085

sample	Soybean pods, client code "I"
sample number	M1409-0085
amount of sample	670 g
type of packing	plastic bag
order of analysis	specific test for GTS 40-3-2 (RoundupReady®) Soy; quantitative analysis for GTS 40-3-2 (RoundupReady®) Soy
sampling	performed by the client
date of order	19.09.2014
date of arrival	22.09.2014
date of analysis	22.09.2014

Result of analysis:

Sample-No. M1409-0085
GTS 40-3-2 (Roundup Ready®) Soy-specific sequences detectable Soy-specific sequences detectable The amount of GTS 40-3-2 (Roundup Ready®) Soy DNA related to complete Soy DNA is 98.87% ± 29,66 %*

* The measurement uncertainty of the method is ± 30%.

Description of the procedure:

The sample was homogenised and the DNA is extracted and purified in duplicates (2 x 2 g) according to ISO21571 Annex A. A negative control – to check for possible contamination – is run in parallel with every extraction. Amplificability of the extracted DNA was tested by taxon-specific PCR. All positive and negative controls are as expected.


Identification of GTS 40-3-2 soya (Roundup Ready® Soy) was carried out according to ISO 21570: „Construct-specific method for the Quantitation of soya bean line GTS 40-3-2 DNA using real-time PCR (Method 2)“. The validated Limit of Determination (LOD) was determined to be 0,02 % by using GTS 40-3-2 soya reference material (ERM- BF410).

Quantitative Analysis of GTS 40-3-2 soya was carried out according to ISO 21570 : „Construct-specific method for the Quantitation of soya bean line GTS 40-3-2 DNA using real-time PCR (Method 2)“.The validated Limit of Quantitation (LOQ) was determined to be 0,1% by using GTS 40-3-2 soya reference material (ERM- BF410).

The results are only valid for the above mentioned samples.

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	Unterzeichner	Frank Narendja
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Vienna, 23.09.2014

Dr. Frank Narendja
(Head of GMO Analysis
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