



Affiliate Code : F615001
 Analysis Report NO.:AGL W0803-G-017(1)
 Order No. : 10871697
 Report Date : 2008.03.10

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TEST REPORT

Applicant: World Centric.
 Sample described as: Corn for PLA
 Sample quantity: 460g
 Date of sample received: 2008.03.05
 Testing date: 2008.03.05-03.10

We report that in pursuance of an order received from World Centric, the submitted sample was tested for requested analysis in a reputable laboratory and we certify the average actual results as follows:

TEST RESULT(S):

Test Items	Qualitative Analysis (Screening for the presence of genetically modified materials in samples)	
Test Methods	Polymerase Chain Reaction (PCR) using Taq Reaction system (reference standard SN/T1196-2003)	
Test Results	Sample DNA was detected.	
	CaMV35S	Negative
	NOS	Negative
Test Limit	0.1%	

*** End of Report***

This analysis report reflects our findings on the sample submitted by the client only. The content of this report does not evidence / verify shipment or refer to any consignment or other matters.

Shanghai

Signed for and on behalf of
 SGS-CSTC Standards Technical Services Co., Ltd

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Notes to Test Report

Explanatory Notes

Genetically modified (GM) plants are made by intentionally introduced alien target gene to alter their some traits or quality to meet human needs. The alien target gene is usually modified in order to express its trait in plants. However, the specifically modified elements are not generally found in Non GM plants. So their identification gives a good indication that a plant had been genetically modified. Each sample submitted for qualitative GMO testing is subjected up to 4 different tests. Each test is based on the polymerase chain reaction (PCR). The different tests are briefly described below:

35S promoter: control region found at the start of the alien target gene;

NOS terminator: control region found at the end of the alien target gene;

These 2 screening tests cover the majority of GM plants currently available. A positive result from either one of these tests may indicate the presence of GM ingredient. If a sample is positive in one of these 2 tests, additional tests specific for particular GM traits are conducted.

Roundup Ready: gene for herbicide resistance (one of the alien target gene)

Bt endotoxin: gene for insect resistance (one of the alien target gene).

In order to ensure the reliability of the test result, Control reactions are performed at the same time as the submitted sample are tested.

Negative control: H₂O that does not contain DNA is used to substitute sample DNA in the PCR reaction. If any DNA is subsequently found during the analysis, it may have come from laboratory contamination.

Positive control: positive sample DNA was used during testing. This indicates what DNA products to look for in the sample analysis.

Detection limit control: GMO standard materials from international standards authority (IRMM) was added to reactions. A PCR signal greater than or equal to that generated by the 0.1% standard is used to indicate a positive GM sample.

Infernal control: A specific type of soy/corn genetic material can be found virtually in all soy/corns. If this genetic material cannot be identified in the sample it may mean that no DNA could be isolated, or that it has degraded and cannot be used for GM testing. For sample does not contain soy/corn ingredient, a specific type of genetic material which can be found virtually in all eukaryotic cells will be used as infernal control.

Result Comment

The comment presents a simple summary of the test data.

- 1) The sample contains GMO, i. e. DNA was isolated from the sample and found to contain GMO.
- 2) No GMO can be detected. This may be due to several reasons:
 - a) DNA was isolated from the sample but did not contain any GMO;
 - b) DNA could not be isolated from the sample;
 - c) The sample did not contain DNA;
 - d) The DNA in the sample was degraded;
 - e) Substances in the sample inhibited the PCR reaction;

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