

## QUALITATIVE GMO REFERENCE MATERIAL

composed of **Canola DNA** from

**LIBERTY LINK™ FALCON GS40/90**  
**GT73 ROUNDUP READY™**  
**MS8XRF3**  
**OXY235**

4 tubes lyophilized Canola DNA containing:

**Liberty Link™ Falcon GS40/90, GT73 Roundup Ready™, MS8xRf3 and OXY235**

Each vial contains: 150±50 ng Canola DNA containing approximately 1% genetically modified DNA

### **Description of the sample production**

The DNA has been isolated and purified using the MN XL Plant extraction method.

The extracted DNA has been quantified applying the UV-spectrophotometrical method described in the Swiss Food Manual chapter 52B. Non genetically modified canola DNA and genetically modified canola DNA from each variety has been mixed to result in a mixture that contains approximately 1% genetically modified canola DNA. The quantified DNA was diluted to a concentration of 150±50 ng DNA / 10 µl. The DNA-solution has been aliquoted by pipetting 10 µl of this mixture per vial.

The samples have been lyophilised to allow easy transport, handling and storage of the samples.

### **Description of the sample**

The samples have been given a test from two independent expert laboratories.

No unexpected cross contamination has been found applying the following assays:

	<b>Liberty Link</b>	<b>GT73</b>	<b>MS8xRf3</b>	<b>OXY235</b>
<b>35S Promotor</b>	<b>positiv</b>	negativ	negativ	<b>positiv</b>
<b>NOS</b>	negativ	negativ	<b>positiv</b>	<b>positiv</b>
<b>PAT gene</b>	<b>positiv</b>	negativ	negativ	negativ
<b>bar gene</b>	negativ	negativ	<b>positiv</b>	negativ
<b>EPSPS gene</b>	negativ	<b>positiv</b>	negativ	negativ
<b>35S-PAT</b>	<b>positiv</b>	negativ	negativ	negativ
<b>GT73 specific</b>	negativ	<b>positiv</b>	negativ	negativ
<b>MS8xRf3</b>	negativ	negativ	<b>positiv</b>	negativ
<b>OXY235</b>	negativ	negativ	negativ	<b>positiv</b>
<b>Laurical</b>	negativ	negativ	negativ	negativ
<b>RR soya</b>	negativ	negativ	negativ	negativ
<b>Lectin (soya)</b>	negativ	negativ	negativ	negativ
<b>Invertase</b>	negativ	negativ	negativ	negativ
<b>PEP (canola)</b>	<b>positiv</b>	<b>positiv</b>	<b>positiv</b>	<b>positiv</b>



### **Instruction for use**

The reference material can be solely used for qualitative testing.

Unopened bottles can be stored dry and dark for one year at least.

Before use, 100µl water or TE-buffer are added to the lyophilised DNA. To resolve the DNA, vortex 5 to 10 seconds after adding water or TE-buffer and put the samples into 65°C for 5 minutes, vortex regularly. The diluted DNA can be stored at 4°C for 3 months at least.

