

Sigma-Aldrich GmbH
Industriestr. 25, 9471 Buchs, Switzerland
fluka@sial.com
Tel. +81 755 25 11, Fax+81 756 54 49
www.sigma-aldrich.com/food_analysis

GMO Genomic DNA Standard Set
For Maize NK603, GA21, CBH-351 69407

GMO Genomic DNA Standard Set

GA21 Maize DNA NK603 Maize DNA CBH-351 («Starlink») Maize DNA

Set with lyophilized genomic maize DNA containing genetically modified GA21 Roundup Ready®, CBH-351 («Starlink») and NK603 maize DNA.

Description of the standard production

The DNA has been isolated and purified using the Wizard® DNA-extraction method corresponding to the Swiss Food Manual chapter 52B (available on request).

The extracted DNA has been quantified applying the UV-spectrophotometrical method described in the Swiss Food Manual chapter 52B. Non genetically modified maize DNA and GA21 or NK603 or CBH-351 maize DNA have been mixed to result in a mixture that contains approximately 1% genetically modified DNA. The quantified DNA was diluted using water (No. 95284). The DNA solution has been aliquoted by pipetting 10 µl of this mixture per vial.

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

Product Description

Each tube contains maize DNA containing approximately 1% genetically modified DNA

The samples have been given a test from three independent expert laboratories. No cross contamination has been found applying the following assays:

for GA21:

- Bt176 maize
- Bt11 maize
- Mon810 maize
- T25 maize
- NK603 maize
- BtXtra maize
- Starlink (CBH-351) maize
- Lectin (for soybean)
- PEP-C (for rapeseed)

for NK603:

- Bt176 maize
- Bt11 maize
- Mon810 maize
- T25 maize
- GA21 maize
- BtXtra maize
- Starlink (CBH_351) maize
- Lectin (for soybean)
- PEP-C (for rapeseed)

CBH-351 («Starlink»):

- Bt176 maize
- Bt11 maize
- Mon810 Maize
- T25 maize
- NK603 maize
- BtXtra maize
- GA21 maize
- Lectin (for soybean)
- PEP-C (for rapeseed)

Instruction for use

The reference material can be **solely used for qualitative testing**. Unopened tubes can be stored dry and dark for one year at least. Before use, 100 µl 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 samples into 65°C for 5 minutes, vortex regularly. The diluted DNA can be stored at 4°C for 3 months at least.

Ordering Information

69407 GMO Genomic DNA Standard Set for Maize NK603, GA21 and CBH-351

1 Set
(10 assays/standard)