

Technical Datasheet

Analysis Name: GM-Soya Quantification by RTi-PCR

Method Number: LI-00.390

Scope of Application: DNA extracted from raw materials, derivatives (e.g. flour, semolina, grits) & finished products

Description: A PCR system was developed to amplify respectively both the soya endogenous Lectin Le1 gene and the construct-specific target for each GM-soya events (RRS, A2704-12, MON89788, DP-305423, DP-356043, or MON87701) in such a way that both amplifications are carried out in the same well without any interference (multiplex PCR). For this purpose, two fluorescent probes, respectively specific for the GM-soya and the soya lectin Le1 gene are used in the same assay, in addition to the forward and reverse PCR primers. The probes for the GM-soya events and Le1 are FAM and VIC labeled, respectively.

Sample Weight Required: 50 grams

Analytical Platform: Real-Time PCR

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
GM soya RRS	N/A	%, (m/m)	0.05	35%
GM soya A2704-12	N/A	%, (m/m)	0.01	35%
GM soya MON89788	N/A	%, (m/m)	0.01	35%
GM soya DP-305423	N/A	%, (m/m)	0.01	35%
GM soya DP-356043	N/A	%, (m/m)	0.05	35%
GM soya MON87701	N/A	%, (m/m)	0.05	35%