

Technical Datasheet

Analysis Name:	GM-Maize Quantification by RTi-PCR
Method Number	LI-00.405
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 endogenous zein gene (specific for maize) and the construct specific targets for each GM-maize event in such a way that both amplifications are carried out in the same reaction without any interference (multiplex PCR). For this purpose, two fluorescent probes, respectively specific for the GM-maize event and the zein gene are used in the same assay, in addition to the forward and reverse PCR primers. The probes for the GM-events and the zein are FAM and VIC labeled, respectively.
Sample Weight Required:	DNA extracted from LI-00.385
Analytical Platform:	Real-Time PCR

Analyte Reported	Limit of quantification (LOQ)	Unit of Measure
Bt11	0.05	% (m/m)
Bt176	0.04	% (m/m)
MON810	0.02	% (m/m)
MON863	0.07	% (m/m)
GA21	0.05	% (m/m)
NK603	0.05	% (m/m)
T25	0.07	% (m/m)
DAS59122	0.07	% (m/m)
MIR604	0.05	% (m/m)
MON88017	0.05	% (m/m)
MON89034	0.05	% (m/m)



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DP-98140	0.05	% (m/m)
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