

Contents	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Sample preparation	2
6 DNA isolation	3
6.1 General	3
6.2 Principle	3
6.3 Chemicals, reagents and equipment	4
6.3.1 Reagents	4
6.3.2 Apparatus and equipment	4
6.4 Procedure	5
6.4.1 General	5
6.4.2 Protocol	5
6.5 Results	6
6.5.1 Analysis	6
7 DNA quality control	6
7.1 General	6
7.2 Principle	6
7.3 Chemicals, reagents and equipment, including reference materials	6
7.3.1 Reagents	6
7.3.2 Apparatus and equipment	7
7.4 Procedure	8
7.4.1 General	8
7.4.2 Safety precautions	8
7.4.3 Pre-treatment	8
7.4.4 Amount of sample	8
7.4.5 Procedure	8
7.5 Results	8
7.5.1 Calculations	8
7.5.2 Interpretation and expression of results	8
7.5.3 Results	8
8 GM element screening	8
8.1 Principle	8
8.2 Chemicals, reagents and equipment, including reference materials	9
8.2.1 Reagents and materials	9
8.2.2 Apparatus and equipment	10
8.3 Procedure	10
8.3.1 General	10
8.3.2 Safety precautions	10
8.3.3 Pre-treatment	10

8.3.4	Amount of sample	10
8.3.5	Procedure	10
8.4	Interpretation and expression of results	10
8.5	Results	11
8.6	Reporting of data collection	11
9	Test report	11
Annex A (informative) Overview of known GM cotton events		12
IWA 32:2019(E) Annex B (informative) Overview of detection methods applied by RIKILT		16
Annex C (informative) In-house validation RIKILT		18
Annex D (informative) Workshop contributors		27
Bibliography		30