

ISO 16308:2014-09 (E)

Water quality - Determination of glyphosate and AMPA - Method using high performance liquid chromatography (HPLC) with tandem mass spectrometric detection

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Principle	1
4 Interferences	2
5 Reagents	2
6 Apparatus	4
7 Sampling	5
8 Procedure	5
8.1 Pre-treatment (Suspended particular matter)	5
8.2 Chelate break and derivatization	5
8.3 Pre-concentration	6
8.4 Chromatographic determination	7
8.5 Identification and confirmation of the analytes	8
8.6 Blank control monitoring	8
9 Calibration	8
9.1 Concentration ranges	8
9.2 Matrix-matched calibration	8
9.3 Internal standard calibration	9
10 Expression of results	10
11 Test report	10
Annex A (informative) Performance data	11
Annex B (informative) Examples of chromatographic conditions	14
Annex C (informative) Examples of chromatograms	15
Annex D (informative) Analysis of gluphosinate	16
Annex E (informative) Pre-treatment of hard water samples	20
Bibliography	22