

ISO 12782-5:2012-06 (E)

Soil quality - Parameters for geochemical modelling of leaching and speciation of constituents in soils and materials - Part 5: Extraction of humic substances from aqueous samples

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	3
5	Apparatus	3
6	Reagents	3
7	Sampling	4
7.1	Laboratory sample	4
7.2	Test sample	4
7.3	Test portion	4
8	Procedure	4
8.1	Preparation of DAX-8 resin	4
8.2	Determination of total humic acid (HA), fulvic acid (FA) and hydrophilic organic carbon (Hy) content in aqueous samples	5
9	Eluate treatment and storage	5
10	Analytical determination	5
11	Blank test	5
12	Calculation	6
12.1	General correction factors for the calculation of humic acid (HA), fulvic acid (FA), hydrophilic organic carbon (Hy) and hydrophobic neutral organic carbon (HON) in aqueous samples	6
12.2	Concentration of total humic acid (HA), fulvic acid (FA), hydrophilic organic carbon (Hy) and hydrophobic neutral organic carbon (HON) concentrations in aqueous samples	7
13	Expression of results	8
14	Test report	8
15	Performance characteristics	8
Annex A (informative) Schematic representation of the fractionation procedure		9
Annex B (informative) Validation of procedure		11

Annex C (informative) Conditions regarding centrifugation	16
Bibliography	19