

ISO 21915-1:2020-04 (E)

Text files - Qualitative and quantitative analysis of some cellulose fibres (lyocell, cupro) and their blends - Part 1: Fibre identification using scanning electron microscopy and spectral analysis methods

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	2
4.1	SEM method	2
4.2	Spectral analysis method	2
5	Reagents	2
5.1	SEM method	2
6	Apparatus	3
6.1	SEM method	3
6.2	Spectral analysis method	3
7	Procedure	4
7.1	SEM method	4
7.1.1	Prior identification	4
7.1.2	Pre-treatment of specimens	4
7.1.3	Cutting	4
7.1.4	Preparation of specimen	4
7.1.5	Observation of specimen	5
7.1.6	Qualitative analysis	6
7.2	Spectral analysis (IR) method	6
7.2.1	Development of calibration model	6
7.2.2	Measurement of test sample	7
7.2.3	Calculation of the predicted value and judgment	7
8	Test report	8
Annex A (informative) Example of the observation condition by SEM		9
Annex B (informative) Interlaboratory test results of SEM method		11
Annex C (informative) Quantitative analysis of SEM method		16
Annex D (informative) Example of optimization of calibration model		17
Annex E (informative) Interlaboratory test results of IR method		19
Bibliography		21