

ISO 16014-2:2019 (E)

Plastics — Determination of average molecular weight and molecular weight distribution of polymers using size-exclusion chromatography — Part 2: Universal calibration method

Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Principle of universal calibration method
5	Reagents
6	Apparatus
7	Procedure
8	Data acquisition and processing
9	Expression of results
9.1	Preparation of universal calibration curve
9.2	Calculation of average molecular weight
9.3	Differential molecular weight distribution curve
9.4	Cumulative molecular weight distribution curve
10	Precision
11	Test report
11.1	General
11.2	Apparatus and measurement parameters
11.3	Calibration of the system
11.3.1	Information on the molecular weight standards
11.3.2	Calibration curve
11.4	Results
Annex A	(informative) Supplementary information
A.1	Applicability of method (see Clause 1)
A.2	Principle of universal calibration method (see Clause 4)
A.2.1	Calibration curve
A.2.2	Intrinsic viscosity
A.3	Preparation of universal calibration curve (see 9.1)
Annex B	(informative) K and a in the Mark-Houwink-Sakurada equation