

ISO/TS 19808:2020-03 (E)

Nanotechnologies - Carbon nanotube suspensions - Specification of characteristics and measurement methods

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms, definitions and abbreviated terms	1
3.1	Terms and definitions	1
3.2	Abbreviated terms	2
4	Characteristics and measurement methods	3
5	Sampling	3
5.1	Sampling principle	3
5.2	Sampling devices	4
5.3	CNT retrieving	4
6	Description of characteristics and measurement methods	4
6.1	Outer diameter	4
6.2	Specific surface area	4
6.3	Homogeneity	5
6.4	Morphology	5
6.5	Dry solid content	5
6.6	CNT content	5
6.7	Viscosity	6
6.8	Fineness	6
6.9	Elemental impurity content	6
6.10	pH value	7
6.11	Water content	7
6.12	Thermal conductivity	7
6.13	Volume resistivity	7
6.14	Shelf life	8
7	Test report	8
Annex A (informative)	Overview of CNT suspension characteristics	9
Annex B (informative)	Case study of carbon nanotube dispersion	10
Bibliography		11