

DIN 12880:2007-05 (E)

Electrical laboratory devices - Heating ovens and incubators

Contents		Page
Foreword		3
1	Scope	3
2	Normative references	3
3	Terms and definitions	4
4	Dimensions	5
5	Material	5
6	Requirements	6
6.1	Common requirements	6
6.2	Requirements for heating ovens	7
6.3	Requirements for incubators and shaking incubators	7
7	Testing temperatures	7
7.1	General test conditions	7
7.2	Test equipment	7
7.3	Testing for temperature homogeneity and temperature stability	8
7.4	Deviation from set point and actual temperature	11
7.5	Heating and cooling times	11
7.6	Recovery time after door opening	12
7.7	Heat transfer to the environment	12
7.8	Type test report	12
8	Testing of controlled atmospheres in incubators	12
8.1	General test conditions	12
8.2	Test equipment	13
8.3	Measurement of humidity	13
8.4	Measurement of CO ₂ or O ₂ concentrations	13
9	Operating instructions	13
9.1	General	13
9.2	Heating ovens and incubators	14
9.3	Heating ovens	14
9.4	Incubators	14
9.5	Shaking incubators	14
10	Marking	14
Bibliography		16