

ISO 6507-2:2018-01 (E)

Metallic materials - Vickers hardness test - Part 2: Verification and calibration of testing machines

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	General conditions	1
5	Direct verification	2
5.1	General	2
5.2	Calibration of the test force	2
5.3	Verification of the indenter	3
5.4	Calibration and verification of the diagonal measuring system	4
5.5	Verification of the testing cycle	5
5.6	Uncertainty of calibration/verification	5
6	Indirect verification	5
6.1	General	5
6.2	Test force and hardness levels	5
6.3	Measurement of reference indentation	6
6.4	Number of indentations	6
6.5	Verification result	6
6.6	Repeatability	6
6.7	Bias	6
6.8	Uncertainty of calibration/verification	7
7	Intervals between verifications	7
8	Verification report/calibration certificate	7
8.1	Vickers testing machine	7
8.2	Vickers indenter	8
Annex A (informative) Uncertainty of the calibration results of the hardness testing system		9
Bibliography		18