

CERTIFIED SAMPLES FOR SHORE D HARDNESS

GIBITRE INSTRUMENTS PROVIDES CERTIFIED SAMPLES FOR SHORE D
HARDNESS VERIFICATION



Overview

The use of certified samples permits to perform **periodical verification of the conformity of the reading of your hardness testers in the period between two calibrations.**

According to **ISO 48-4 Standard (par. 10.2):** 'Instruments in regular use shall be checked **at least each week** against standard rubber blocks.'

Periodical verification is useful considering the importance of hardness as a testing parameter.



ICS > 83 > 83.060

ISO 48-4:2018

**Rubber, vulcanized or thermoplastic —
Determination of hardness —
Part 4: Indentation hardness
by durometer method (Shore
hardness)**

Available Configurations

The following configurations are available:

- **Complete box containing 3 specimens** with approximate hardnesses of 55 - 70 - 80 Shore D points.
- **Box containing one sample** with hardness of your choice among those available.



Calibration Report

The samples are provided with **Calibration Certificate with traceability to the hardness tester used for the measurements with Official Accredia Certificate issued by ISO 17025-Accredited Laboratory of Gibitre Instruments.**

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Sample	Identification	Minimum Acceptable Value	Maximum Acceptable Value
		Shore D_15	Shore D_15
	PHD2021055-1	55,7	59,7
	PHD2021055-2	76,0	80,0
	PHD2021055-3	85,8	89,8

NO

YES

HUMIDITY

50-10 UREL

TEMPERATURE

TEST

+23°C

±2°C

DON'T TOUCH

Unique Sample Identification

Specimens are individually identified by an identification label to ensure proper calibration traceability and avoid measurement errors.



Protection Box

The samples are provided with an insulated protection case that permits the protection of the samples from temperature variations and from the light.

Protection Box	The wooden box ensures protection against light and temperature variations
Number of samples	The complete box includes 3 samples. Single samples can be provided
Sample identification	The samples have unique identification code to permit the traceability of the calibration
Calibration Report	The calibration report is issued by Gibitre Instruments and includes the traceability to the officially-calibrated hardness tester used for the measures
Duration of the Calibration	The reference blocks shall be recalibrated once a year (ref. ISO 48-4:2018 par. 10.4)



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