

**Calibration Report n°**

**VDCXXXXXX\_20501**

**Issued**

**24/02/2025**

### Customer

Name CUSTOMER  
Address ADDRESS  
ADDRESS  
Country COUNTRY

### Order

Number

### Instrument

Type CONSTANT VOLUME SAMPLE CUTTER  
Model CONSTANT VOLUME SAMPLE CUTTER - MD RHEO  
Producer GIBITRE INSTRUMENTS S.R.L.  
Serial Number VDCXXXXXX

### Calibration

Date of the measures **14/02/2025**

Technician **Iacopo Crotti**

[Habilitation for Calibration](#)

The calibration is made in accordance to the requirements of the following standards:

**ISO/DIS 6502-3: Rubber — Measurement of vulcanization characteristics using curemeters — Part 3: Rotorless curemeter**

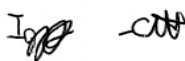
**ISO 6502-2: Rubber— Measurement of vulcanization characteristics using curemeters — Part 2: Oscillating disc curemeter**

**ISO 289-1: Rubber, unvulcanized — Determinations using a shearing-disc viscometer — Part 1: Determination of Mooney viscosity**

The measurement uncertainties stated in this document have been determined according to the ISO/IEC Guide 98 and to EA-4/02. Usually they have been estimated as expanded uncertainty obtained multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Normally, this factor k is 2.

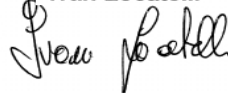
Calibration made by:

**Iacopo Crotti**



Calibration Report approved by:

**Ivan Locatelli**



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The measurement results reported in this Calibration Report were obtained following the procedures given in the following pages, where the reference standards or instruments are indicated which guarantee the traceability chain of the laboratory, and the related calibration certificates in the course of validity are indicated as well. They relate only to the calibrated item and they are valid for the time and conditions of calibration, unless otherwise specified.

Reference Instruments	Producer	Serial N.	Gibitre Code	Certificate N.	Calibration Laboratory	Issue Date	Due Date	Uncertainty	Unit
ELECTRONIC DENSIMETER	Gibitre Instruments srl	EBC2020068	EBC2020068	<a href="#">EBC2020068_20701</a>	GIBITRE INSTRUMENTS	09/01/25	09/01/2028	0,002	g

**ENVIRONMENTAL CONDITIONS**

Room Temperature	(23 ± 2) °C
Relative Humidity	(50 ± 10) %

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Calibration of: **Volume of the samples produced with the instrument**

Procedure: Prepare 3 samples using rubber compound and measure the volume of the samples using the reference densimeter. Repeat the test for the 3 volume selectable with the instrument.

Reference Instruments:

**EBC2020068**

Uncertainty: 0,0020 g      Deviation 0,00 g

Type of sample	Expected Volume cm <sup>3</sup>	Minimum Allowed cm <sup>3</sup>	Maximum Allowed cm <sup>3</sup>	Measure 1 cm <sup>3</sup>	Measure 2 cm <sup>3</sup>	Measure 3 cm <sup>3</sup>	Mean cm <sup>3</sup>	Uncertainty U_ext_95% cm <sup>3</sup>	Outcome
MD Rheometer	4,75	4,00	5,50	4,80	4,80	4,80	4,80	0,00	ok