

## CERTIFICATE OF CALIBRATION



*no:*                   **15JT302**

*Customer*                                   **Teknoscale Oy  
Kiitoradantie 11  
01530 Vantaa Finland**

*Calibrated instrument*

*Manufactured by*                           **Teknoscale Oy**

*Model*                                       **EVOCAR 2000R**

*Serial number*                           **202876**


*Date*   **8.12.2015**

*Signature*                                 **Jarkko Tuomisto**

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*Documents attached*

The measurement results issued by Teknoscale Oy are traceable to national or international standards.

**CERTIFICATE OF CALIBRATION No: 15JT302**Confirmed by 

Date

8.12.2015

**TECNICAL DATA**

Serial number	202876		
Load max 1	3000 kg	interval d1 =	10 kg
Load max 2	6000 kg	interval d2 =	20 kg
Load max 3	10000 kg	interval d3 =	50 kg

**SITE OF CALIBRATION AND ENVIROMENTAL CONDITIONS**

Date of calibration : 2.12.2015  
 Site of calibration: Teknoscale Oy, Vantaa Finland

Temperature 20 °C

Remarks: Scale was calibrated using hydraulic pressing and weighing equipment (EVO 2000 indicator and 4 pcs Precia Molen CSP-M-3,5MB loadcells)

	Serial number	Site and Certificate of calibration	Date
Pressing and weighing equipment (EVO 2000 and Precia Molen loadcells)	35000	MIKES M-15K204 30%	6.7.2015

The reported expanded uncertainty of measurements is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95 %. The standard uncertainty of measurement has been determined in accordance with EAL Publication EAL-R2

Results at increasing load with the g-value at Helsinki ( $g=9,819 \text{ m/s}^2$ )

Load kg	Scale indication kg	Corrected value kg	Error kg	Uncertainty of calibration $\pm$ kg
5,0	0	5	0,0	3
505,0	500	505	0,0	3
1005,0	1000	1005	0,0	3
2005,0	2000	2005	0,0	3
3010,0	3000	3010	0,0	4
4010,0	4000	4010	0,0	4
5009,0	5000	5010	1,0	4
6024,0	6000	6025	1,0	4
8023,0	8000	8025	2,0	5
10022,0	10000	10025	3,0	6

Corrected value= Scale indication +  $d/2$

$d$ =scale interval

Load= Indication of the weighing equipment (Reference scale)

Eccentric loading at 6000 kg 2,0 kg

Repeatability of 3 measurements at 6000 kg 1,0 kg