NATIONAL WEIGHTS AND MEASURES LABORATORY

Member State of OIML
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No
R51/2006-GB1-09.01

OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory**

Address: **Stanton Avenue**
Teddington
Middlesex
TW11 0JZ
United Kingdom

Person responsible: **Paul Dixon**
Product Certification Manager

Applicant

Name: **Società Cooperativa Bilanciai a.r.l.**

Address: **Via S. Ferrari No 16**
41011 Campogalliano
Modena
Italy

Manufacturer of the certified pattern is the Applicant.

Identification of the certified pattern:

Mercury Plus checkweigher / weight or weight-price labeller
Further characteristics see page 2

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML:	**R51**
Edition:	**2006 (E)**
Accuracy class:	**XIII(1) and/or Y(a)**

OIML Certificate No
R51/2006-GB1-09.01

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

The conformity was established by tests described in the associated:

Test report: TR 542 having 39 pages
Pattern evaluation checklist: P00117 having 11 pages

The issuing authority

Mr P R Dixon

The CIML member

Mr P Mason

Date: 04 March 2009
Ref: T1108/0052

Characteristics: Mains-powered automatic checkweighing / catchweighing instrument designated the Mercury Plus.

Model	Mercury Plus 3-6	Mercury Plus 6	Mercury Plus 12	Mercury Plus 30
Maximum capacity: (Max)	≤ 3/6 kg Dual-interval	≤ 6 kg	≤ 12 kg	≤ 30 kg
Minimum capacity, cat Y: (Min) cat X:	20 g 50 g	40 g 100 g	40 g 100 g	200 g 500 g
Scale interval (e):	1/2 g	2 g	2 g	10 g
Maximum number of scale intervals (n):	≤ 2x3000	≤ 3000	≤ 6000	≤ 3000
Tare (T): Cat X, Dynamic	-2 kg	- (1/3)Max		
Cat Y, Dynamic	- (2/3)Max			
Cat X and Y, Static	- Max			
Climatic environment	0 to +40 °C Closed, non-condensing			
EM classification:	E1 and E2			
Power supply	240 Va.c. 50 Hz			
Accuracy class	XIII(1) and Y(a)			

Conveyor speed:

Load (kg)	Min to 0.25	0.25 to 0.5	0.5 to 1	1 to 3	3 to 12	12 to 30
Maximum conveyor speed (m/min)	70	70	70	40	35	35

Load cell:

The load cell may be one of the following:

Mercury Plus 3-6 Plus 6	Mercury Plus 12	Mercury Plus 30
HBM PW22C3 20kg		
	HBM PW22C3 30kg	
HBM PW18C3 10kg	HBM PW18C3 20kg	HBM PW18C3 50kg
HBM PW18C3/H1 10kg	HBM PW18C3/H1 20kg	HBM PW18C3/H1 50kg
Tedea 1042 C3-C6 15kg	Tedea 1042 C3-C6 30kg	
Tedea 1042 C3-C6 20kg		Tedea 1042 C3-C6 50,75,100,150 kg
Tedea 1022 C 3C4 15kg	Tedea 1022 C3 C4 30,35kg	
Tedea 1022 C3 C4 20kg		Tedea 1022 C3 C4 50,100,150kg
		Tedea 1250 C3 50,75,100,150kg
Scaime AGC6 18kg		Scaime APC3 75,100,150,200kg
	Scaime AGC6 36kg	Scaime ABC3 65,90,130,185kg
Scaime AGC3 15kg	Scaime AGC3 30kg	
Scaime AGC3 20kg		Scaime AGC3 50,75,100kg
Flintec PC42 C3 20kg		Flintec PC42 C3 50,100,200kg
	Flintec PC42 C3 30kg	

Any compatible load cell(s) may be used providing the following conditions are met:

- There is a respective OIML Certificate of Conformity (R60) issued for the load cell.
- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules and any particular installation requirements. A load cell marked NH is allowed only if humidity testing to R76 has been conducted on this load cell.
- It is not a load cell with digital output
- The characteristics of the replacement load cell such as nlc, Y, Z are the same or better that the load cell tested dynamically (HBM PW22 C3, capacity 20 kg)
- The design of the load cells and the material are the same
- No oil damper is used

Devices:

- Automatic zero setting device active during automatic operation (at least every 6 min)
- Semi-automatic zero-setting (≤ 4% max)
- Initial zero-setting (≤ 20% max)
- Pre-set tare device (subtractive)
- Static calibration, not accessible to the user
- Belt speed setting, accessible to the user
- Internal memory for storage of batch data (category X)
- Device acting upon significant faults
- Screen check at power-up
- High resolution mode (0.1e) for testing purposes, not accessible to the user
- Dynamic or static weighing selection device, accessible to the user*
- Operation under Category X or Y selection device, accessible to the user*

* one mode of operation may be disabled at initial verification

Interfaces:

- RS 232/RS485
- Parallel port
- Ethernet
- Analogue