

OIML Member State
The Netherlands

Number R60/2000-NL1-12.30
Project number SO12200166
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	Satis Co., Limited Flat B07, Floor 23, Hover Industrial Building No.26-38 Kwai Cheong Road, N.T Hong Kong
Manufacturer	Satis Co., Limited Flat B07, Floor 23, Hover Industrial Building No.26-38 Kwai Cheong Road, N.T Hong Kong
Identification of the certified type	A compression load cell Type : SAL302A, SAL303A
Characteristics	See next page

This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R60 - Edition 2000 (E) for accuracy class C

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified. This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
21 June 2012

C. Oosterman
Head Certification Board

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This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi (see www.nmi.nl).



The conformity was established by the results of tests and examinations provided in the associated OIML Test Report(s):

- No. NMI-11200809-06 dated 10 April 2012 that includes 27 pages.

Characteristics of the load cell:

Maximum capacity (E_{max})	20 t up to and including 100 t
Minimum dead load	0 kg
Accuracy Class	C
Rated Output	1,0 mV/V \pm 0,002 mV/V
Maximum number of load cell intervals (n)	3000
Ratio of minimum LC Verification interval $Y = E_{max} / V_{min}$	10000
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$	3000
Input impedance	650 Ω \pm 10 Ω for model SAL302A 1080 Ω \pm 20 Ω for model SAL303A
Temperature range	-10 $^{\circ}$ C / +40 $^{\circ}$ C
Fraction p_{LC}	0,7
Humidity Class	CH
Safe overload	200% of E_{max}
Output impedance	610 Ω \pm 3 Ω for model SAL302A 1005 Ω \pm 10 Ω for model SAL303A
Recommended excitation	10 - 12 V AC/DC
Excitation maximum	15 V AC/DC
Transducer material	Alloy steel
Atmospheric protection	Hermetically sealed

The characteristics for n_{max} and Y can be reduced separately. Z is proportional or equal to n_{max} .

Each produced load cell is provided with an accompanying document with information about its characteristics.