DIN CERTCO

Gesellschaft für Konformitätsbewertung mbH

# CERTIFICATE

The company

**Jiangsu Sunrain**
**solar energy co., ltd**
Ning hai industrial zone
LIANYUNGANG, JIANGSU
PEOPLE`S REPUBLIC OF CHINA

with its production site in

**Lianyungang, Jiangsu**

hereby receives the confirmation that the product/s

**Solar collectors**

of the type

**TZ47/1500-10U, 12U, 15U, 16U, 18U, 20U, 25U, 30U**

conforms to

**DIN EN 12975-1:2006-06**
**DIN EN 12975-2:2006-06**
**Specific CEN KEYMARK Scheme Rules for Solar Thermal Products**

and is granted the licence to use the marks

in conjunction with the Registration No. below.

**Registration No.: 011-7S162 R**

**This certificate remains valid as long as the required surveillance conditions will be passed with a positive result for the assessment.**

Deutscher Akkreditierungs Rat
DAR
DAP-ZE-2460.00

See annex for further information.

DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Alboinstraße 56, 12103 Berlin

GESELLSCHAFT FÜR KONFORMITÄTSBEWERTUNG MBH
DIN CERTCO

2007-06-12

Dipl.-Ing. Dipl.-Wi.-Ing. Sören Scholz
- Acting Head of Certification Body -

# Annex

to the Certificate with Registration No. 011-7S162 R, dated 2007-06-12

**Technical data**

See data sheet, part of the test report of 2007-05-30

Note(s):

- The freeze resistence test according to DIN EN 12975-2, clause 5.8 was not necessary. According to the manufacturerer's declaration, the certified solar collectors may be used in frost exposed areas only in combination with appopriate frost protection mixtures.

- The mechanical load test according to DIN EN 12975-2, clause 5.9 is not applicable for tube collectors.

- The optional impact resistance test according to DIN EN 12975-2, clause 5.10 was not carried out.

**Testing laboratory / Inspection body**

Universität Stuttgart
Institut für Thermodynamik und
Wärmetechnik
Pfaffenwaldring 6
70569 Stuttgart

**Test report(s)**

No. 07COL536 dated 2007-05-30