



APPLICATION FOR CE REPORT

On Behalf of

CHANGZHOU SUNNERGY ENERGY TECHNOLOGY CO.,LTD.

PU Earplug

**Model: SNE030, SNE1001A, SNE1006, SNE1006A,
SNE030C, SNE030C1, SNE098, SNE098C,
SNE024, SNE024C**

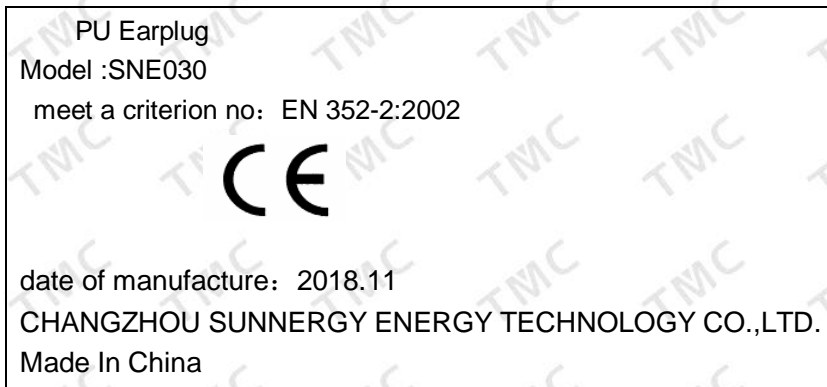
Prepared For : CHANGZHOU SUNNERGY ENERGY TECHNOLOGY
CO.,LTD.
No.1-715/716, FUHANYUAN, EAST TAIHU ROAD, XINBEI
DISTRICT, CHANGZHOU CITY, JIANGSU PROVINCE.

Prepared By : **TMC Testing Services (Shenzhen) Co., Ltd.**
1st Floor, Block A1, Zone A, Xinshidai Gongrong Industrial Park,
No. 2, Shihuan Road, Shiyuan Street, Baoan District, Shenzhen,
China
Tel: +86-755- 86642861
Web: www.tmc-lab.com
E-mail: Cert@tmc-lab.com

<p>TEST Report EN 352-2:2002 Hearing protectors — General requirements — Part 2: Ear-plugs</p>	
Report	
Reference No.....	TMC181119102-S
Tested by (+ signature).....	Jack He <i>Jack He</i>
Approved by (+ signature).....	Lemon Rao
Date of issue.....	Dec. 06, 2018
Contents.....	8 pages
Testing laboratory	
Name.....	TMC Testing Services (Shenzhen) Co., Ltd.
Address.....	1st Floor, Block A1, Zone A, Xinshidai Gongrong Industrial Park, No. 2, Shihuan Road, Shiyan Street, Baoan District, Shenzhen, China
Testing location.....	Same as above
Applicant Name	
Address	CHANGZHOU SUNNERGY ENERGY TECHNOLOGY CO.,LTD. . No.1-715/716, FUHANYUAN, EAST TAIHU ROAD, XINBEI DISTRICT, CHANGZHOU CITY, JIANGSU PROVINCE
Test specification	
Standard.....	EN 352-2:2002
Test procedure	Compliance with EN 352-2:2002
Procedure deviation.....	N.A.
Non-standard test method	N.A.
Test item	
Description.....	PU Earplug
Trademark	N/A
Model and/or type reference	SNE030
Manufacturer.....	CHANGZHOU SUNNERGY ENERGY TECHNOLOGY CO.,LTD. .
Address.....	No.1-715/716, FUHANYUAN, EAST TAIHU ROAD, XINBEI DISTRICT, CHANGZHOU CITY, JIANGSU PROVINCE
Rating(s).....	N/A

Test case verdicts	
Test case does not apply to the test object	: N(A.)
Test item does meet the requirement	: P(ass)
Test item does not meet the requirement.....	: F(ail)
Testing	
Date of receipt of test item(sample)	: Nov. 27, 2018.
Date (s) of performance of tests	: Nov 27, 2018 - Dec.6, 2018.

Copy of marking plate (for example model SNE030):



Note: marking label for other models are identical to above except for model name and rating.

Remark:

-The above markings are the minimum requirements required by the safety standard. For the final productions samples, the additional markings which do not give rise to misunderstanding may be added.

Label testing

Rubbing for 15 s with a piece of cloth soaked with water. And a further 15 s with a piece of cloth soaked with petroleum.-

EN 352			
Clause	Requirement + Test	Result - Remark	Verdict

3	Terms and definitions		P
3.1	ear-plugs		P
3.1.1	disposable ear-plugs		P
3.1.2	re-usable ear-plugs		P
3.1.3	formable ear-plugs		P
3.1.4	pre-formed ear-plugs		P
3.1.5	custom moulded ear-plugs		N/A
3.1.6	headband ear-plugs		N/A
3.1.6.1	over-the-head headband ear-plugs		N/A
3.1.6.2	behind-the-head headband ear-plugs		P
3.1.6.3	under-the-chin headband ear-plugs		N/A
3.1.6.4	universal headband earplugs		N/A
3.2	headband		N/A
3.3	sound attenuation		P

4	Requirements		P
4.1	Sizing and adjustability		P
4.1.1	Aural ear-plugs		P
4.1.2	Headband ear-plugs		P
	a) Over-the-head ear-plugs		N/A
	b) Behind-the-head and under-the-chin ear-plugs		P
4.2	Materials and construction		P
4.2.1	Materials		P
	a) The materials shall not be known to be likely to cause skin irritation, skin disorders, allergic reactions nor anyother adverse effects to health within the lifetime of the use of the ear-plugs.		P
	b) When subject to contact with sweat, ear wax or with other materials likely to be found in the ear canal, the materials shall not be known to undergo changes within the lifetime of the use of the ear-plugs that would result in significant alteration to those properties of the ear-plugs that are required to be assessed when the ear-plugs are examined for compliance with 4.2 and 4.3.		P
4.2.2	Construction		P
4.2.2.1	All parts of ear-plugs shall be designed and manufactured such that they are not liable to cause physical damage to the wearer when fitted and used according to the manufacturer's instructions (see 5 e) and 6.2 f)).		P

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4.2.2.2	Any part of the ear-plugs that is likely to protrude outside the ear canal when fitted in accordance with the manufacturer's instructions (see 5 e) and 6.2 f)) shall be of such a construction that mechanical contact with the ear-plugs is unlikely to cause any injury to the ear.		P
4.2.2.3	When inserted in accordance with the manufacturer's instructions (see 5 e) and 6.2 f)), ear-plugs shall be capable of being readily and completely removed from the ear canal by the user, without the use of tools or instruments, when tested using a test panel of 16 subjects.		P
4.2.2.4	When ear-plugs are marked re-usable (see 5 d)), re-closable packaging, suitable to ensure hygienic storage between use, shall be supplied with each pair of ear-plugs.		P
4.3	Performance		P
4.3.1	General		P
4.3.2	Resistance to damage when dropped		P
4.3.3	Resistance to damage when dropped at low temperature (optional)		P
4.3.4	Cleaning and disinfection		P
4.3.5	Ignitability		P
4.3.6	Minimum attenuation		P

5	Marking		P
	a) the name, trade mark or other identification of the manufacturer or his authorised representative;		P
	b) the model designation;		P
	c) the number of this EN Standard, i.e. the generic mark "EN 352";		P
	d) whether the ear-plugs are disposable or re-usable ¹⁾ ;		P
	e) instructions for fitting and use, which shall indicate the need for proper fitting;		P
	f) for custom-moulded ear-plugs a specific marking or colour coding on each ear-plug to differentiate between left and right;		N/A
	g) the nominal diameter designations of the ear-plugs ¹⁾ , as determined in 4.1.1 (except for custom moulded and semi-aural ear-plugs).		N/A

6	Information supplied by the manufacturer		P
6.1	General		P
6.2	Wearer information		P

EN 352			
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	a) the number of this European standard, i.e. EN 352-2:2002;		P
	b) the name, trade mark or other means of identification of the manufacturer or his authorised representative;		P
	c) the model designation;		P
	d) as appropriate, the statement "This model of ear-plugs has satisfied the optional requirements at -20 °C";	-20°C	P
	e) materials of the headband (where appropriate);		N/A
	f) instructions for fitting and use which shall indicate the need for proper fitting;		P
	g) except for custom moulded and semi-aural ear-plugs, the nominal diameter/range of diameters designation of the ear-plugs, as determined in 4.1.1;		P
	h) for headband ear-plugs, the size range of the ear-plugs for each mode of wearing, as determined in 4.1.2, on both the packaging/box and in wearer information:		P
	i) for each mode of wearing, the following sound attenuation values:		P
	1) mean value and standard deviation at each test frequency ;		P
	2) APV-value at each test frequency in accordance with EN ISO 4869-2 with the parameter a = 1;		P
	3) H-, M- and L- value in accordance with EN ISO 4869-2 with the parameter a = 1;		P
	4) SNR- value in accordance with EN ISO 4869-2 with the parameter a = 1;		P
	j) a recommendation that the wearer should ensure that:		P
	1) the ear-plugs are fitted, adjusted and maintained in accordance with the manufacturer's instructions;		P
	2) the ear-plugs are worn at all times in noisy surroundings;		P
	3) if the ear-plugs are marked re-usable, they are regularly inspected for serviceability;		P
	k) a warning that, if the recommendations in 6.2 j) are not adhered to, the protection afforded by the ear-plugs will be severely impaired;		P
	l) for ear-plugs which are fitted with an interconnecting cord, the following warning:		P

EN 352			
Clause	Requirement + Test	Result - Remark	Verdict

	m) for headband ear-plugs, the following warning:		P
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	“Warning. Harmful noise levels may be induced if the headband is struck.”		P
	n) if the ear-plugs are marked re-usable, methods of cleaning and disinfection which shall specify, and require the use of, agents that are not known to be harmful to the wearer;		P
	o) the statement "This product may be adversely affected by certain chemical substances. Further information should be sought from the manufacturer";		P
	p) recommended storage conditions before and after use;		P
	q) the mean mass of the ear plugs (for headband ear-plugs only) to the nearest gram;		P
	r) the address from which additional information can be obtained.		P
6.3	Additional information		P
	a) range of head sizes fitted (for headband ear-plugs only);		P
	b) information as specified in 6.2;		P
	c) results of tests performed in accordance with this standard;		P
	d) the name and country of the test laboratory which performed the tests specified in 6.3 c) and the date of the tests.		P

A	Annex A(informative)		N/A
	Uncertainty of measurement and interpretation of test results		N/A
	Figure A. 1 Result pass		N/A
	Figure A. 2 Result fail		N/A
	Figure A. 3 Result fail		N/A

	Annex ZA(informative)		P
	Clauses of this European standard addressing essential requirements or other provisions of EU Directives	(EU) 2016/425	P

attachment : Photo Documents

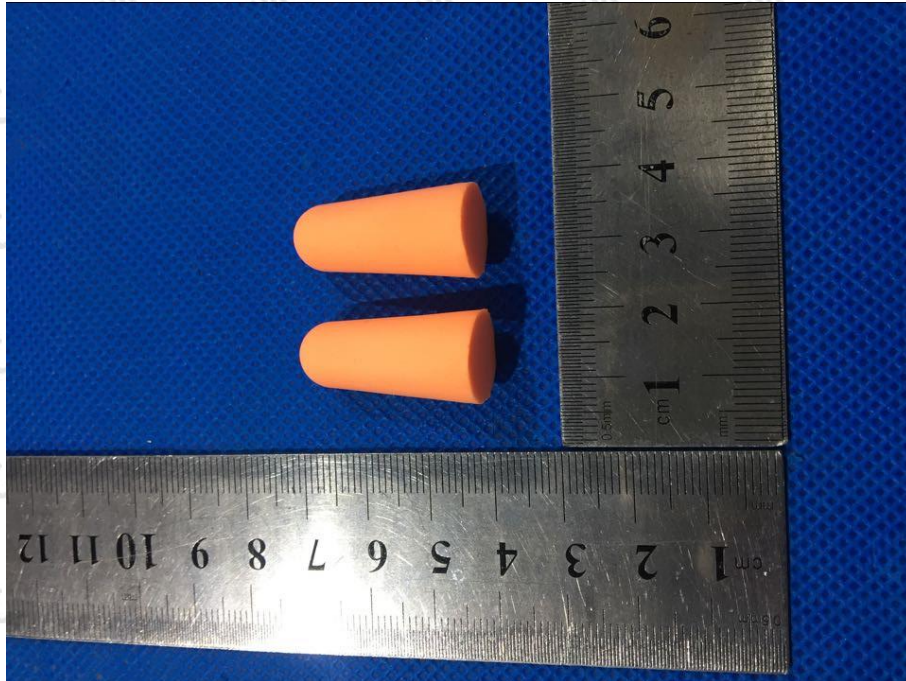


Fig.1



Fig.2

*****END OF REPORT*****