

# Test Report



Report No. A2220122475101

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Company Name Würth Elektronik eiSos GmbH&CO KG

Address 1-3nd floor, Chuangshiji Building, No#22 Pingdi Puzai Road, Longgang, Shenzhen

**The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client**

Sample Name RSTV 471 018  
 Type 471 018 264 153  
 Sample Received Date Mar. 31, 2022  
 Testing Period Mar. 31, 2022-Apr. 11, 2022

**Test Requested**

No.	Test Item
1	Glow-wire flammability test for end-products (GWEPT)

**Test Result(s):** Please refer to the following pages.

Approved by Wesley Mao

Date Apr. 11, 2022

Wesley Mao  
 Approved Signatory  
 Centre Testing International Corporation  
 (Hangzhou) Co., Ltd.

No.RE0E0D85CD  
 Room 105, Building 1, No.600, N0.21 Street, Baiyang Road, Hangzhou  
 Economic & Technological Development Zone Hangzhou, China;



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**Tested Sample(s)**

Sample No.	Sample Name
A2220122475101001	RSTV 471 018

**Sample Photo(s)**



A2220122475101001



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**Test Item: Glow-wire flammability test for end-products (GWEPT)****1. Test Equipment**

Equipment Name	Model
Glow-wire test equipment	SH5121A

**2. Environmental Conditions**

Temperature: 23.2°C; Humidity: 57%RH

**3. Test Standard:** Refer to IEC 60695-2-11:2014 and client requirement**4. Test Result(s)****Condition**

The test specimens and specified layers shall be conditioned for 24h in an atmosphere having a temperature between 15°C and 35°C and a relative humidity between 45% and 75%.

**Test procedure**

The test specimen shall be so arranged that the tip of the glow-wire is applied to the part of the surface of the test specimen which is likely to be subjected to thermal stresses in normal use. The tip of the glow-wire is applied to the center of the planar area of the surface.

The glow-wire is heated to the specified temperature and the then tip of the glow-wire is brought smoothly into contact with the test specimen for a duration of 30s ± 1s.

**Evaluation of test results**

The test specimen is considered to have a GWEPT of T if at a test temperature of T °C,

- a) there is no ignition, or
- b) all of the following situations apply when ignition has occurred:
  - i) if flames or glowing combustion of the test specimen extinguish within 30 s after removal of the glow wire, i.e.  $t_E \leq t_A + 30s$ ; and
  - ii) the specified layer placed underneath the test specimen does not ignite.

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## Results

Applications	Test Temp. (°C)	Ignition of test sample	Ignition of wrapping tissue	Sample totally consumed	t <sub>A</sub> (s)	t <sub>i</sub> (s)	t <sub>E</sub> (s)	Evaluation
1	750	Yes	No	No	30	0	32	Pass
2	750	Yes	No	No	30	0	32	Pass
3	750	Yes	No	No	30	0	32	Pass
4	750	Yes	No	No	30	0	26	Pass
5	750	Yes	No	No	30	0	32	Pass
6	750	Yes	No	No	30	0	20	Pass
7	750	Yes	No	No	30	0	31	Pass
8	750	Yes	No	No	30	0	32	Pass
9	750	Yes	No	No	30	0	31	Pass
10	750	Yes	No	No	30	0	20	Pass
11	750	Yes	No	No	30	0	27	Pass
12	750	Yes	No	No	30	0	32	Pass
13	750	Yes	No	No	30	0	31	Pass
14	750	Yes	No	No	30	0	32	Pass
15	750	Yes	No	No	30	0	32	Pass
16	750	Yes	No	No	30	0	17	Pass
17	750	Yes	No	No	30	0	23	Pass
18	750	Yes	No	No	30	0	31	Pass
19	750	Yes	No	No	30	0	32	Pass
20	750	Yes	No	No	30	0	19	Pass
21	750	Yes	No	No	30	0	26	Pass
22	750	Yes	No	No	30	0	32	Pass
23	750	Yes	No	No	30	0	20	Pass

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24	750	Yes	No	No	30	0	27	Pass
25	750	Yes	No	No	30	0	32	Pass
26	750	Yes	No	No	30	0	31	Pass
27	750	Yes	No	No	30	0	30	Pass
28	750	Yes	No	No	30	0	32	Pass
29	750	Yes	No	No	30	0	19	Pass
30	750	Yes	No	No	30	0	24	Pass

t<sub>A</sub>: the duration of the glow-wire application;  
t<sub>i</sub>: the duration from the beginning of tip application up to the time at which the test specimen or the specified layer placed below it ignites;  
t<sub>E</sub>: the duration from the beginning of tip application up to the time when all flames extinguish during or after the period of application.

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## Sample Photo(s) after the test



Remark: The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

\*\*\* End of Report \*\*\*

### Statement:

- 1.This report is considered invalid without approved signature, special seal and the seal on the perforation;
- 2.The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified;
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