

## Test Report

No. C190402010002

Date: Apr 09, 2019

Page 1 of 6

Applicant: Shanghai Terabit Technology Co., Ltd  
Applicant Address: #219 38th Building, No. 2049 Pujin Road, Pujiang Town, Minhang District, 201112, Shanghai

The following samples were submitted and identified on behalf of the clients as

Sample Name: Solid State Drive

Model of test equipment: SSD SATA

Model/Type reference: N.A.

Trade mark: Terabit®

CPST Internal Reference No.: C190402010

Sample Received Date: Apr 02, 2019

Number of Sample Received: 1 pcs

Test Period: Apr 02, 2019 to Apr 09, 2019

Test Method: Please refer to next pages

Test Result: Please refer to next pages

### CONCLUSION :

TESTED SAMPLES	TEST ITEM	RESULT
Solid State Drive	1. RoHS Directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102—Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content	PASS

Signed for and on behalf of  
Euron Consumer Products Testing Service Co., Ltd

TESTED BY :

REVIEWED BY:

APPROVED BY:

Andy Wang

Wang Guang Yu, Andy  
Project Leader

Sunshine Liu

Liu Xiao Fang, Sunshine  
Report Reviewer

Will Pan

Pan Jian Ding, Will  
Technical Supervisor

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Euron Consumer Products Testing Service Co., Ltd.

t (86-769) 38937858

f (86-769) 38937859


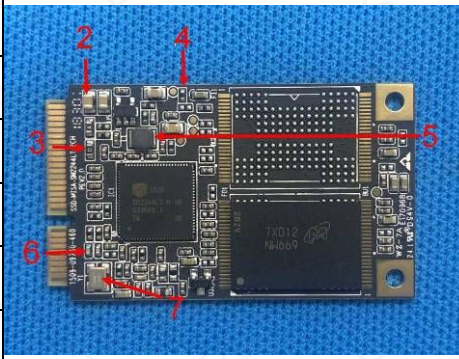
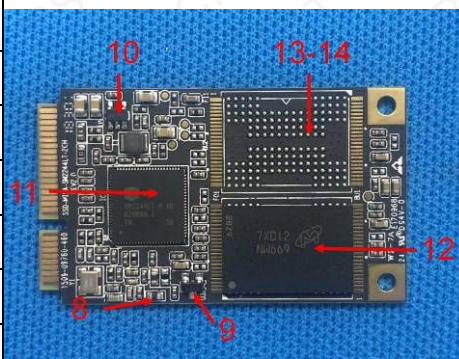
Http:// [www.cpstlab.com](http://www.cpstlab.com)

3/F., Huafeng Building, No.77, Hetian Avenue, Houjie, Dongguan, Guangdong, China.

Postcode: 523945

E-mail: [service@cpstlab.com](mailto:service@cpstlab.com)

### Test Item Description And Photo List

Sample No.	Description	Photograph
001	white plastic with black print	
002	brown body capacitance	
003	black body resistance	
004	black body	
005	gray body	
006	white body	
007	silvery body	
008	gray body	
009	black body	
010	black body IC	
011	black body IC	
012	black body IC	
013	black PCB	
014	silvery metal solder	

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### Test Results

#### Screening test for the specified hazardous substances of RoHS for the selected materials of the submitted sample:

- Heavy Metal (Cadmium, Chromium, Mercury, Lead) Content Test
- Bromine Content Test

According to IEC 62321-3-1:2013, and Quantification analyzed with Energy Dispersive X-ray Fluorescence Spectrometers.

Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 001	BL	BL	BL	BL	BL
Sample 002	BL	BL	BL	BL	BL
Sample 003	BL	BL	BL	BL	BL
Sample 004	BL	BL	BL	BL	BL
Sample 005	BL	BL	BL	BL	BL
Sample 006	BL	BL	BL	BL	BL
Sample 007	BL	BL	BL	BL	BL
Sample 008	BL	BL	BL	BL	BL
Sample 009	BL	BL	BL	BL	BL
Sample 010	BL	BL	BL	BL	BL
Sample 011	BL	BL	BL	BL	BL
Sample 012	BL	BL	BL	BL	BL
Sample 013	BL	BL	BL	BL	Inconclusive^
Sample 014	BL	BL	BL	BL	N.A.

#### Note:

1. All Concentrations express in "mg/kg" (milligram per kilogram), mg/kg ~ ppm
2. "OL" denotes "over limit"
3. "BL" denotes "below limit"
4. "N.A." denotes "Not Applicable"
5. "Inconclusive" denotes result is intermediate between "OL" and "BL"
6. "^" denotes the screening result was inconclusive(X) or over limit (OL), thus further confirmation test was conducted, results are listed in 3.2 and 3.3.

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XRF screening limits for different materials:

Materials	Concentration (mg/kg)				
	Cd	Cr	Pb	Hg	Br
<b>Metal</b>	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	N.A.
<b>Polymers</b>	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (300-3\sigma) < X$
<b>Composite material</b>	$BL \leq (50-3\sigma) < X < (150+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (250-3\sigma) < X$

### 3.2 Test for Heavy Metals

– Lead, Cadmium, Hexavalent Chromium and Mercury Tests according to IEC 62321-4:2013+A1:2017 & IEC 62321-5:2013 & IEC 62321-7-1:2015 & IEC 62321-7-2:2017

Element	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Mercury [mg/kg]	Hexavalent Chromium [μg/cm <sup>2</sup> ]	Hexavalent Chromium [mg/kg]
<b>Detection Limit</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>0.10</b>	<b>5</b>
<b>Limit</b>	<b>100</b>	<b>1000</b>	<b>1000</b>	<b>0.10</b>	<b>1000</b>

Note:

- All Concentrations express in “mg/kg”(milligram per kilogram), mg/kg ~ ppm.
- “N.D.” = “Not Detected”.
- Boiling-water-extraction:
  - Negative = Absence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is less than 0.10μg with 1cm<sup>2</sup> sample surface area.
  - Positive = Presence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is greater than 0.13μg with 1cm<sup>2</sup> sample surface area.
  - Inconclusive = the detected concentration in boiling-water-extraction solution is greater than 0.10μg and less than 0.13μg with 1cm<sup>2</sup> sample surface area.
- Positive = result be regarded as not comply with RoHS requirement  
Negative = result be regarded as comply with RoHS requirement
- “-” = Not regulated

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### 3.3 Test for Flame retardants

– Test Method: With reference to IEC 62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit: 5mg/kg]

Test Item		Result [mg/kg]	RoHS Requirement [mg/kg]
		Sample 013	
PBBs	Monobromobiphenyl	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	
	Tribromobiphenyl	< 5	
	Tetrabromobiphenyl	< 5	
	Pentabromobiphenyl	< 5	
	Hexabromobiphenyl	< 5	
	Heptabromobiphenyl	< 5	
	Octabromobiphenyl	< 5	
	Nonabromobiphenyl	< 5	
	Decabromobiphenyl	< 5	
	Sum of PBBs	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	
	Tribromodiphenyl Ether	< 5	
	Tetrabromodiphenyl Ether	< 5	
	Pentabromodiphenyl Ether	< 5	
	Hexabromodiphenyl Ether	< 5	
	Heptabromodiphenyl Ether	< 5	
	Octabromodiphenyl Ether	< 5	
	Nonabromodiphenyl Ether	< 5	
	Decabromodiphenyl Ether	< 5	
	Sum of PBDEs	< 5	

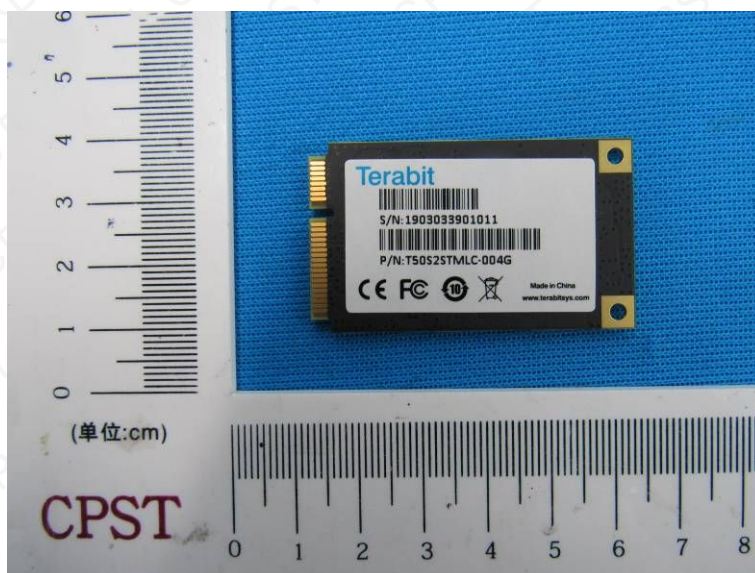
Note:

1. All Concentrations express in “mg/kg” (milligram per kilogram), mg/kg ~ ppm.
2. “<” denotes less than

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### Photo of the Submitted Sample



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

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Eurones (Dongguan) Consumer Products Testing Service Co., Ltd.

t (86-769) 38937858

f (86-769) 38937859

[Http:// www.cpstlab.com](http://www.cpstlab.com)

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