

Report No. 48.400.22.1450.01-00/01

Dated 2023-01-11



Technical Report

Client: Anhui Huasun Energy Co.,Ltd.
No. 99, Qingliu Road, Xuancheng Economic and Technological Development Zone, Xuanzhou District, 242000 Xuancheng City, Anhui Province, PEOPLE'S REPUBLIC OF CHINA

Contact person: Lv Qiang

Test object: The submitted samples were received and described by client as:
Product: 166 PV Modules, 210 PV Modules



Tested sample description: Refer to next page(s).

Test specification:

- 1. Total Content of Short-Chain of Chlorinated Paraffins (SCCP) According to Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants**
Test with reference to In-house method
- 2. Flame retardants (HBCDD) Content According to Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants**
Test with reference to In-house method

Conclusion:	1. Total Content of Short Chain of Chlorinated Paraffin	Pass
	2. HBCDD Content	Pass

Test results: Refer to next page(s).

Remarks:

1. The tested samples were identified and appointed by client.
2. Sample was tested as received.
3. As the client required, the sample was tested in mixture.

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Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given base on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

TÜV SÜD Certification and Testing (China) Co., Ltd.
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1. Order

1.1 Date of Purchase Order
2022-12-29

1.2 Customer's Reference
Nil

1.3 Receipt Date of Test Sample
2022-12-17

1.4 Date of Testing
2022-12-28 – 2023-01-11

1.5 Location of Testing
TÜV SÜD Certification and Testing (China) Co., Ltd.
Shanghai Branch, SHA Chemical Lab.

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2. Description of the tested specimen

Sample No.	Description	Photograph/Location
01	Transparent plastic label with ink	
02	White label	
03	Transparent glue with blue coating	
04	White glue	

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Sample No.	Description	Photograph/Location
05	White plastic cable tie	
06	Black plastic shell	
07	Black IC	
08	Black plastic plug enclosure	

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Sample No.	Description	Photograph/Location
09	Black plastic sealing ring	
10	Red plastic sleeve	
11	Black plastic cable sleeve	
12	Black plastic insulation	

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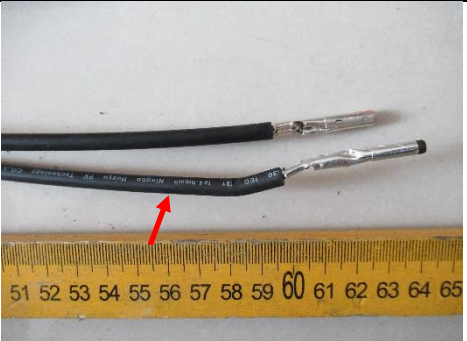
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Sample No.	Description	Photograph/Location
13	Black plastic cable jacket	

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3. Test Result

3.1 Short Chain Chlorinated Paraffins (SCCPs) Content Test

Test Item(s)	Unit	MDL	Result		
			01+02+03	04+05+06	07+08+09
SCCPs (C10-C13)	mg/kg	100	N.D.	N.D.	N.D.
Conclusion:			Pass	Pass	Pass

Test Item(s)	Unit	MDL	Result	
			10+11+12	13
SCCPs (C10-C13)	mg/kg	100	N.D.	N.D.
Conclusion:			Pass	Pass

Remark:

1. MDL=Method Detection Limit.
2. N.D. =Not Detected (<MDL).
3. "mg/kg" denotes milligram per kilogram.
4. Limit quoted from Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants: Limit is 1500 mg/kg.

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3.2 Flame retardants (HBCDD) Test

Test Item(s)	MDL	Unit	CAS NO	01+02+03	04+05+06	07+08+09
HBCDD	5	mg/kg	25637-99-4	N.D.	N.D.	N.D.
Conclusion:				Pass	Pass	Pass

Test Item(s)	MDL	Unit	CAS NO	10+11+12	13
HBCDD	5	mg/kg	25637-99-4	N.D.	N.D.
Conclusion:				Pass	Pass

Remark:

1. MDL=Method Detection Limit.
2. N.D. =Not Detected (<MDL).
3. "mg/kg" denotes "milligram per kilogram.
4. Limit quoted from Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants: Limit is 100 mg/kg.

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Prepared by:



Mr. Jialong HAN

Checked by:



Mr. Feng ZHANG

-END OF REPORT

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