

TEST REPORT

Applicant : SiG Solar GmbH / Lumitenso
Address : Ernst-Abbe-Strasse 6, 28816 Stuhr Germany

The following merchandise was (were) submitted and identified by the client as:

Name of Sample : Lumitenso Luftreiniger Filter
Test Type : Commission
Sample Quantity : 1
Model : RELCA-388/H13+
Batch No. : 2020.11.15
Brand : Lumitenso
Manufacturer: SiG Solar GmbH
Sample Received : 2021/03/01
Test Period : 2021/03/01-2020/03/12
Test Items : Please refer to next page(s).
Test Method : Please refer to next page(s).
Test Result : Please refer to next page(s).
Sample Description : /

Note: Relevant testing items are not within the scope of China Metrology Accreditation,
only for the internal use of client.

Edited by: 黄婉盈

Approved by: 王智坚

Checked by: 王智坚

Official Seal: 检验检测专用章

TEST RESULTS:

Table 1 Summary of test result(s)				
Chapter	Test Item(s)	Unit	Test result(s)	Test Method(s)
8	Efficiency	%	99.97	Referring to EN 1822-5: 2009

Table 2 Test data of efficiency			
Test Item	The average particle number of upstream N_{1i} (P/L)	The average particle number of downstream N_{2i} (P/L)	Efficiency E_i (%)
Efficiency	2149040	560	99.97

Inspection instructions:

1. Test method

Referring to EN 1822-5: 2009 High efficiency air filters (EPA, HEPA and ULPA) - Part 5: Determining the efficiency of filter elements

2. Test object

KCl Particles ($\geq 0.3 \mu\text{m}$)

3. Test conditions:

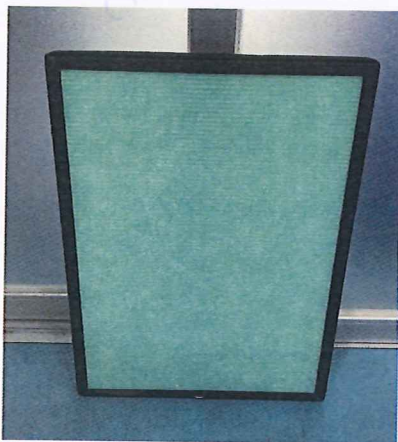
- 1) Environment temperature: (18~28) °C
- 2) Environment humidity: <75%RH
- 3) Nominal Volume Flow Rate: 350 m³/h

4. Test equipments

Test ducts, Aerosol generation system (TSI 8108), Laser dust monitor (SX-L301N)

***** TO BE CONTINUED *****

SAMPLE PHOTO



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

专用章

Statement

1. This report is issued by The CAS Testing Technical Services(GuangZhou)Co.,Ltd. (hereinafter referred to as "Our Company").
2. This report is invalid if not affixed with authorized stamp of test and paging seal.
3. This report is invalid without signature of verifier and approver.
4. This report is invalid if being supplemented, deleted or altered.
5. Without written permission of our Company, this report can not be reproduced in part (except in whole).
6. The result(s) shown in this report refer only to the sample(s) tested, but do not apply to the same batch, size or brand of products (except the test samples) or to prove the related methods of making, processing or production of the test sample(s), or the correctness and rationality of processes or process.
7. Objections to this report must be submitted to our Company within 15 days. Otherwise, it will automatically deem to have accepted this report.
8. The Client shall be responsible for the accuracy, authenticity and completeness of the samples and information submitted for inspection, and the disputes arising therefrom shall be borne by the Client.
9. As any reports is issued as a result of this application for testing services, our Company will strictly keep confidentiality to the Clients. Except where disclosure is required on the basis of laws, regulations, judgments, and rulings (including in accordance with summons, court, or government proceedings).
10. The result(s) or conclusion(s) shown in this report about the description of the characteristics, composition, properties or quality are based on the specific time, methods and applicable criteria. Using different methods and criteria or under different environmental conditions for testing may come to different conclusions.
11. The test report does not have probative effect to society.
12. Since our Company's causes lead to modify the contents of this report, our Company shall reissue this report and bear the modification cost. The Client shall return the original report. Since the Client's causes lead to modify the contents of this report, the Client need to submit an application form for the change of report to our Company. The Client shall bear the modification cost and return the original report if our Company approves to reissue this report.