

## Analysis Report

Date: Apr. 29, 2020

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Sample Name: Elastic

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

SGS Job No.:

Date of sample received: 17 Apr. 2020

Testing Period: 17 Apr. 2020 – 26 Apr. 2020

Test Requested: Selected test (s) as requested by client.

Test Method: Please refer to next page(s).

Test Results: Please refer to next page(s).

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Helen Liu

Helen Liu  
Approved Signatory



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## Summary of Results:

Test Item	Test Method	Result	Conclusion
Natural Latex Identification	FTIR, PY-GCMS, UV-VIS	See results	/

Note: Pass: Meet the requirements;  
 Fail: Does not meet the requirements;  
 /: Not apply to the judgment.

Test Item: Natural Latex Identification

Sample Description: See Photo

Test Method:

- 1: Major composition check: With reference to ASTM E1252-98(2013), analysis was performed by Fourier Transform Infrared Spectrometer(FTIR);
- 2: Major composition check: With reference to ISO 17257:2013, analysis was performed by Pyrolysis Gas Chromatography Mass Spectrometry(PY-GCMS);
- 3: Determination of aqueous extractable protein: With reference to ASTM D5712-15, analysis was performed by Ultraviolet and Visible Spectrometry (UV-VIS);



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### Test Result:

Test Item	Result
Major composition check by FTIR	Major composition is Styrene rubber
Major composition check by PY-GCMS	Major composition is Styrene rubber
Determination of aqueous extractable protein( $\mu\text{g/ml}$ )	Not detected

### Remark:

- 1:  $\mu\text{g/ml}$  = microgram per milliliter
- 2: Detection limit of aqueous extractable protein is  $2\mu\text{g/ml}$

### Conclusion:

As per test specified above, the submitted sample was found to be material Styrene rubber. It was not made of natural latex.

### Remark:

- 1: Natural latex contain poly(isoprene) and aqueous extractable protein.
- 2: Per US FDA recommendation dated on 2015 March, it is recommended not to state the wording "NOT CONTAIN latex" and the wording "Free of latex" in any medical devise.



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Representative attachments

### 1: FTIR

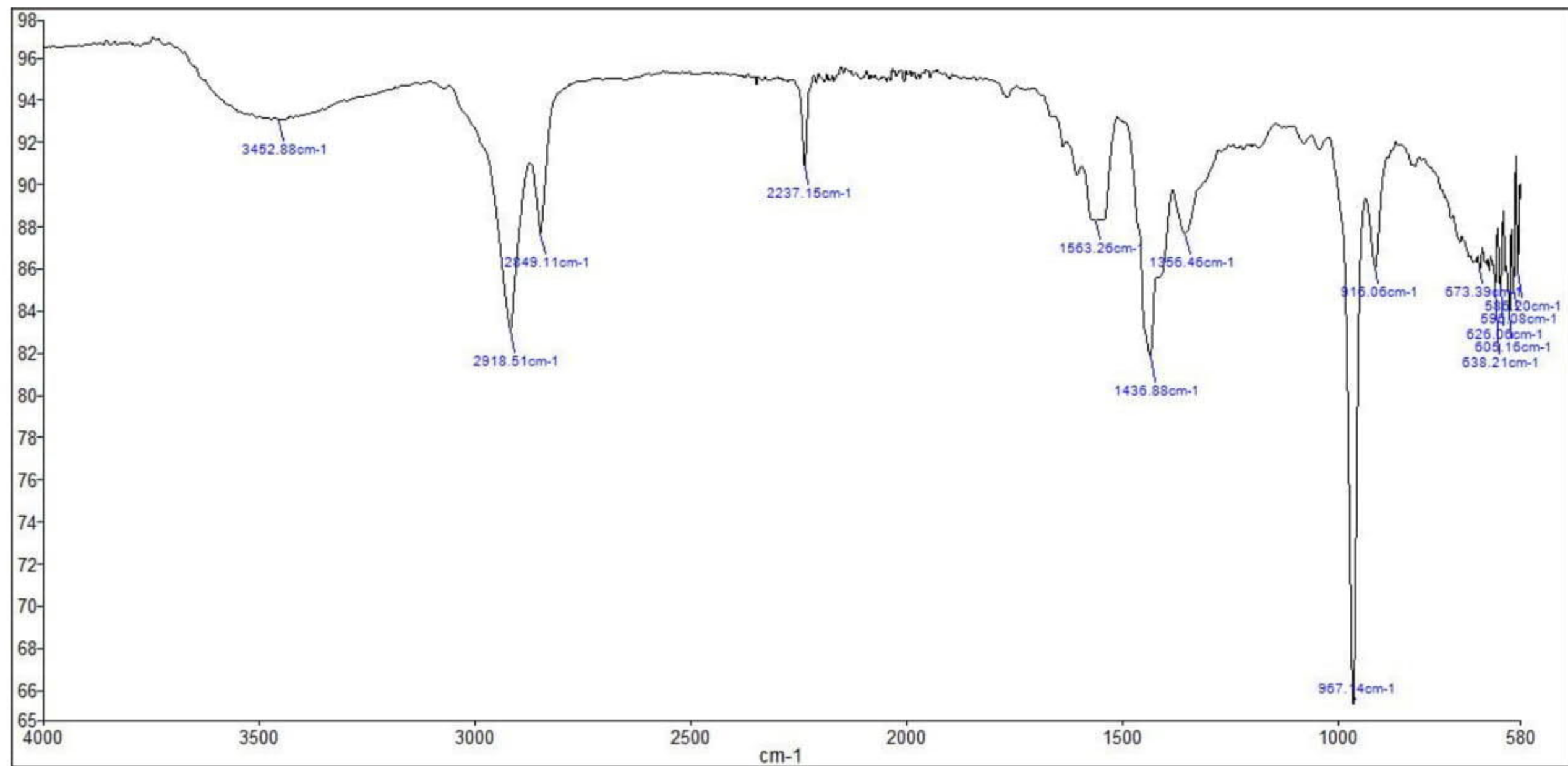


Fig.1



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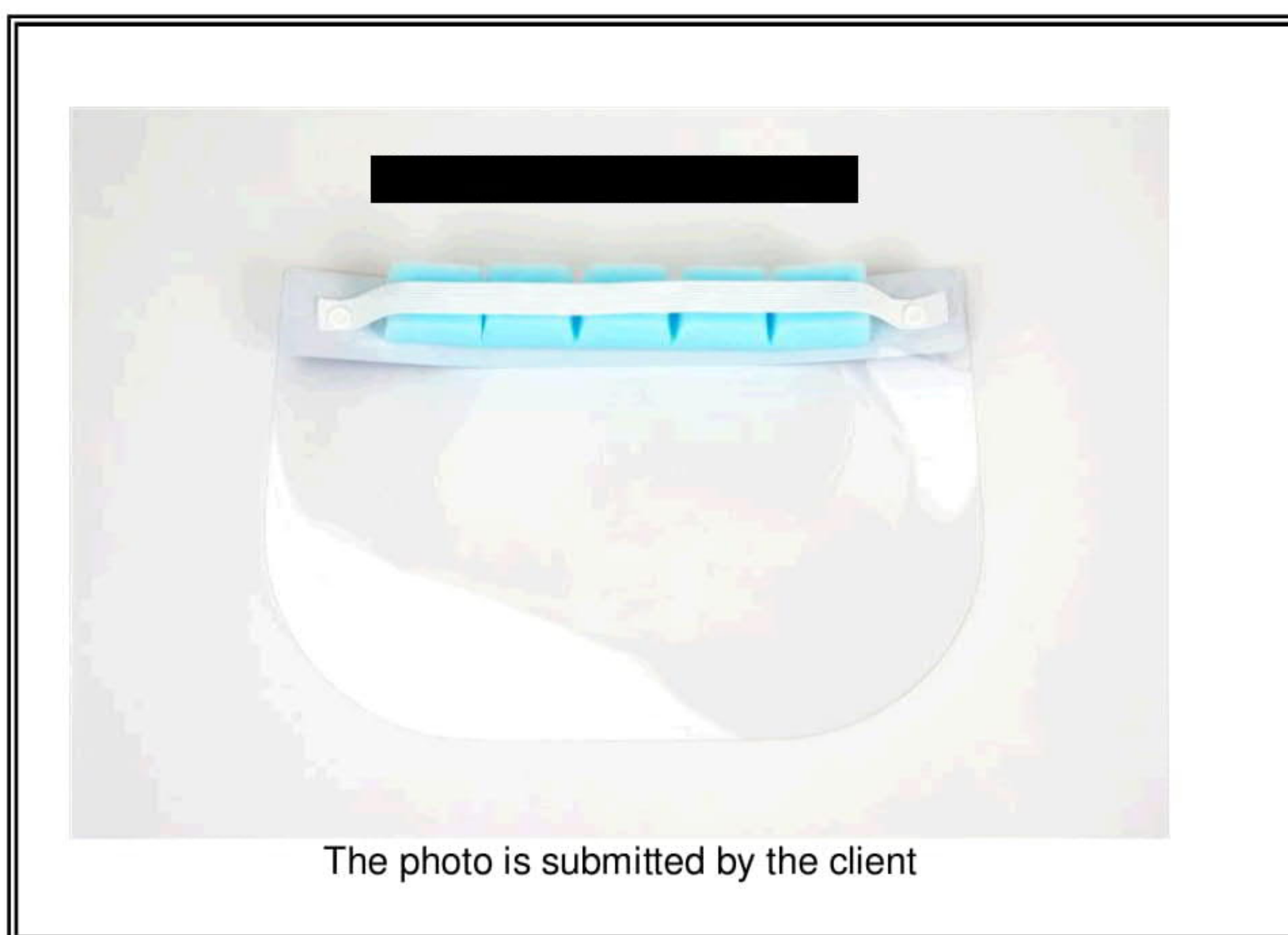


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Sample photo:



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The photo is submitted by the client

SGS authenticate the photo on original report only

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

