



## Test Report

No.: SHHL2007532062SD-01

Date: AUG. 21, 2020

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ELEKTRO3 S COOP C.L.

POL. IND. ALBA C/BARENYS 21 43480 VILASECA TARRAGONA SPAIN

THE TEST REPORT IS TO SUPERSEDE THE TEST REPORT No.: SHHL2007532062SD,  
DATE: AUG. 19, 2020, ORIGINAL REPORT SHALL BE INVALID.

Sample Description : RUBBER HOT WATER BOTTLE  
Item No. : SERVERAL ITEMS  
Country of Origin : SPAIN  
Country of Destination : SPAIN  
Client reference information : 76770, 76771, 76772, 76773, 76774, 76775, 76776,  
76777, 76778, 76779, 76780, 76781  
\*\*\*\*\*  
Sample Receiving Date : JUL. 27, 2020  
Testing Period : JUL. 27, 2020 TO AUG. 19, 2020  
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT  
Test Requested : BS 1970:2012 HOT WATER BOTTLES MANUFACTURED  
FROM RUBBER AND PVC –SPECIFICATION  
(EXCLUDING CLAUSE 8.2)  
Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE  
FOLLOWING PAGE(S)  
Conclusion : THE SUBMITTED SAMPLE MET THE TEST  
REQUIREMENT.

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

*Melody*



Melody Zhang  
Authorized Signatory



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### Test Conducted:

BS 1970:2012 Hot water bottles manufactured from rubber and PVC – Specification (excluding clause 8.2)

Nos. of Specimen : 10 pcs hot water bottle  
Sample Material : Rubber  
Sample Color : Red  
Filling Type : 2/3 Full Fill  
Test Result : Pass. See below table.

| Clause  | Test Items                                                        | Result | Note |
|---------|-------------------------------------------------------------------|--------|------|
| 3       | Composition                                                       | Pass   | # 1  |
| 4       | Physical properties                                               |        |      |
| 4.1     | Visual examination                                                | Pass   | ---  |
| 4.2     | Thickness                                                         | Pass   | ---  |
| 4.3     | Filling characteristics                                           | Pass   | ---  |
| 5       | Closures                                                          |        |      |
| 5.1     | General                                                           | Pass   | ---  |
| 5.2     | Test for separation of screwed closure                            | Pass   | ---  |
| 5.3     | Rubber components                                                 | N/A    | # 2  |
| 6       | Performance                                                       |        |      |
| 6.1     | Leakage                                                           | Pass   | ---  |
| 6.2     | Strength of bonded seams                                          | Pass   | ---  |
| 6.3     | Pressure test                                                     | Pass   | ---  |
| 6.4.2   | Tensile tests for rubber hot water bottles                        |        |      |
| 6.4.2.1 | Tensile stress-strain properties before aging                     | Pass   | ---  |
| 6.4.2.2 | Tensile stress-strain properties after aging                      | Pass   | ---  |
| 6.4.2.3 | Tensile stress-strain properties after immersion                  | Pass   | ---  |
| 6.4.3   | Tensile tests for PVC hot water bottles                           |        |      |
| 6.4.3.1 | Tensile stress-strain properties before aging                     | N/A    | # 2  |
| 6.4.3.2 | Tensile stress-strain properties after aging                      | N/A    | # 2  |
| 6.4.3.3 | Tensile stress-strain properties after extraction                 | N/A    | # 2  |
| 6.5     | Other material specific requirements                              |        |      |
| 6.5.1   | Tension set for rubber hot water bottles                          | Pass   | ---  |
| 6.5.2   | Percentage mass change after extraction for PVC hot water bottles | N/A    | # 2  |
| 6.5.3   | Creep resistance for PVC hot water bottles                        | N/A    | # 2  |
| 6.6     | Tear strength                                                     | Pass   | ---  |
| 7       | Marking                                                           | Pass   | ---  |



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| Clause | Test Items                                                | Result | Note |
|--------|-----------------------------------------------------------|--------|------|
| 8      | Information labeling                                      |        |      |
| 8.1    | General                                                   | Pass   | ---  |
| 8.2    | Hot water bottles with screw stoppers                     | N/C    | # 3  |
| 8.3    | Hot water bottles with closures other than screw stoppers | N/A    | # 2  |
| 9      | Packaging                                                 | N/A    | # 2  |

Note:

- # 1: See below test result.
- # 2: N/A means not applicable for this sample design.
- # 3: N/C means not conducted as per client's requirement.

### Remark:

1. Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.
2. The declaration of conformity is based on non-binary acceptance decision rules with guard band, and the guard band length parameter is 0. When the measured value falls in the guard band limit, the declaration of conformity is "Conditional PASS" or "Conditional FAIL".
3. The report was added the Client reference information.



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Test Results :

### Test Part Description :

| Specimen No. | SGS Sample ID    | Description           |
|--------------|------------------|-----------------------|
| SN1          | SHA20-146836.001 | Red soft plastic body |
| SN2          | SHA20-146836.002 | White plastic lid     |

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

### BS 1970:2012-Composition

Test Method : With reference to BS EN 71 Part 3:1995, analysis was performed by ICP-OES

| Test Item(s)          | Limit | Unit  | MDL | 001         | 002         |
|-----------------------|-------|-------|-----|-------------|-------------|
| Soluble Lead (Pb)     | 90    | mg/kg | 5   | ND          | ND          |
| Soluble Antimony (Sb) | 60    | mg/kg | 5   | ND          | ND          |
| Soluble Arsenic (As)  | 25    | mg/kg | 2.5 | ND          | ND          |
| Soluble Barium (Ba)   | 1000  | mg/kg | 10  | ND          | ND          |
| Soluble Cadmium (Cd)  | 75    | mg/kg | 5   | ND          | ND          |
| Soluble Chromium (Cr) | 60    | mg/kg | 5   | ND          | ND          |
| Soluble Mercury (Hg)  | 60    | mg/kg | 5   | ND          | ND          |
| Soluble Selenium (Se) | 500   | mg/kg | 10  | ND          | ND          |
| <b>Conclusion</b>     |       |       |     | <b>PASS</b> | <b>PASS</b> |

Notes :

- (1) Results shown are of the adjusted analytical results.



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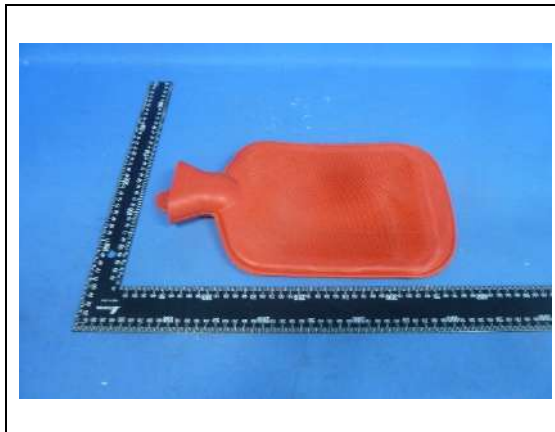
### Sample Photo:

Received sample with package

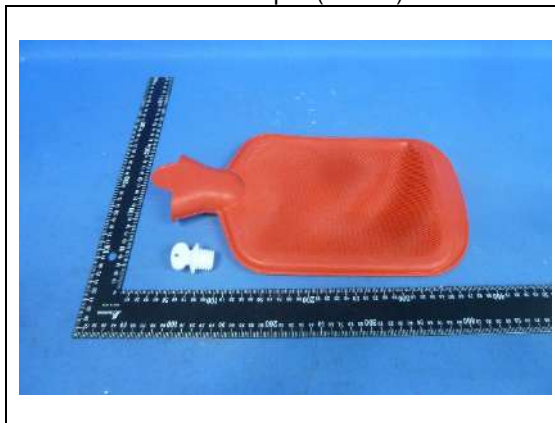
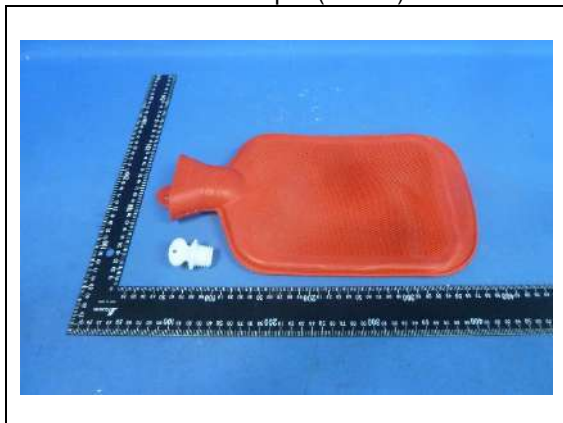


Test sample (side A)

Product



Test sample (side B)



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The applicable label statement



The manufacture date



Warning on the product



Warning on the product



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The applicable standard



The identification of manufacturer



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