

# Gerber Technology LLC.

## TEST REPORT

**SCOPE OF WORK**

UL 94 Flammability Test: V-0

**REPORT NUMBER**

105451529BOX-001

**ISSUE DATE**

30-May-2023

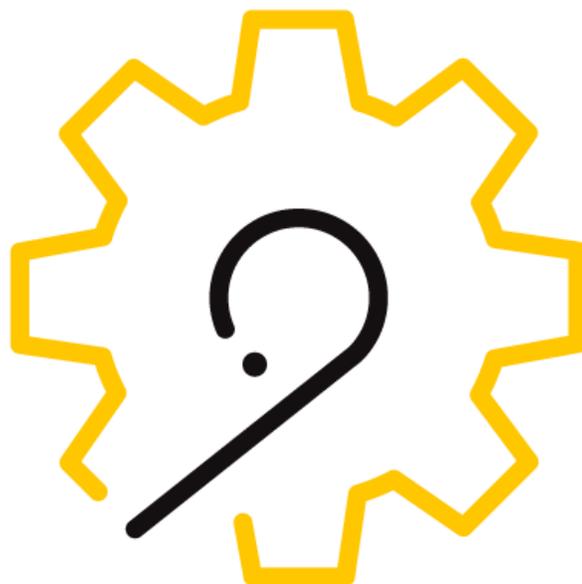
**PAGES**

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GFT-OP-10h (6-march-2017)

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30-May-2023

Intertek Report No. 105451529BOX-001

Intertek Project No. G105451529

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USA  
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s.hayes@Lectra.com

**Subject:** Test report for performance flammability testing on the provided samples by Gerber Technology, per your quote Qu-01361462-0.

Dear Steve Hayes,

This test report for performance testing represents the results of our evaluation of the above referenced product to the requirements specified.

## METHODS PER ISO 17025 5.10.2.e

### DESCRIPTION OF TEST METHODS AND STANDARDS

UL 94:2013 Standard For Tests For Flammability Of Plastic Materials For Parts In Devices And Appliances

V-0 Rating

## SAMPLES PROVIDED PER ISO 17025 5.10.2.f,g

| SAMPLE # | SAMPLE RECEIVED               | SERIEL #          | DATE    | CONDITION |
|----------|-------------------------------|-------------------|---------|-----------|
| 1-10     | Gerber LexEdge II<br>- 10 mil | BOX2305221437-001 | 5/22/23 | NEW       |

TESTED 23-May-2023 – 30-May-2023

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**EQUIPMENT LIST:**

| <b>TEST EQUIPMENT LIST</b> |                                    |                      |                  |                   |                      |
|----------------------------|------------------------------------|----------------------|------------------|-------------------|----------------------|
| <b>Item</b>                | <b>Equipment Type</b>              | <b>Make</b>          | <b>Model No.</b> | <b>Serial No.</b> | <b>Next Cal. Due</b> |
| 1                          | Small Temperature/Humidity Chamber | Bryant Manufacturing | TH-5S            | 1207              | Verified             |
| 2                          | Needle Flame Burner Apparatus      | ED&D                 | NFB-01           | SAF254            | Verified             |
| 3                          | Digital Stopwatch                  | General              | TI170            | SAF116o           | 05/25/24             |
| 4                          | Bunsen Burner                      | ED&D                 | H-6241N          | 6200.1            | Verified             |
| 5                          | Weather Console                    | Davis Instruments    | 6351             | MF200526013       | 01/31/24             |
| 6                          | Flame Hood                         | ITS                  | Flame Hood Med   | SAF590            | Verified             |
| 7                          | Desiccator                         | Secador              | F42071-0000      | 8002VBWA22        | 02/01/24             |

**RESULTS PER ISO 17025 5.10.2.i**

The testing described in the Methods section above was performed, and all data was recorded (See Attachment 2). The test samples met the requirements for the V-0 flammability rating.

**REPORT AUTHORIZED PER ISO 17025 5.10.2.j**

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.



Alvaro Perea  
Technician  
30-May-2023



Peter Sedor  
Engineering Team Leader  
30-May-2023

Attachment 1: Photos



**Figure 1: Test Setup**

Attachment 2: Data Table

Preconditioned 9.1.1 of IEC 60695-11-10: Five bar test specimens shall be conditioned for a minimum of 48 h at 23 °C ± 2 °C and 50 % ± 5 % relative humidity. Once removed from the conditioning chamber, the test specimens shall be tested within 1 h

| Sample Number:         | 1 | 2 | 3 | 4 | 5  |                           |    |
|------------------------|---|---|---|---|----|---------------------------|----|
| Afterflame T1 (sec)    | 4 | 0 | 3 | 0 | 10 | Total<br>Afterflame (tr): | 25 |
| Afterflame T2 (sec)    | 0 | 3 | 5 | 0 | 0  |                           |    |
| Afterglow T3 (sec)     | 0 | 0 | 0 | 0 | 0  |                           |    |
| Burn to holding clamp  | N | N | Y | N | N  |                           |    |
| Drip flaming particles | Y | Y | Y | N | Y  |                           |    |
| T2 + T3                | 0 | 3 | 5 | 0 | 10 |                           |    |

Preconditioned 9.1.2 of IEC 60695-11-10: Five bar test specimens shall be aged in the air-circulating oven for 168 h ± 2 h at 70 °C ± 2 °C and then cooled in the desiccator chamber for at least 4 h. Once removed from the desiccator chamber, the test specimens shall be tested within 30 min.

| Sample Number:         | 1 | 2 | 3  | 4 | 5 |                           |    |
|------------------------|---|---|----|---|---|---------------------------|----|
| Afterflame T1 (sec)    | 0 | 0 | 0  | 0 | 0 | Total<br>Afterflame (tr): | 13 |
| Afterflame T2 (sec)    | 0 | 0 | 13 | 0 | 0 |                           |    |
| Afterglow T3 (sec)     | 0 | 0 | 0  | 0 | 0 |                           |    |
| Burn to holding clamp  | N | N | N  | N | N |                           |    |
| Drip flaming particles | N | N | Y  | N | N |                           |    |
| T2 + T3                | 0 | 0 | 13 | 0 | 0 |                           |    |