



**Tested For:** Mr. Onur Gumus  
BRN Sleep Products LLC.  
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USA

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**Received:** 6/22/2021  
**Completed:** 6/28/2021  
**Code:** 0  
**Test Report:** 3-44250-0

**Key Test:** CFR 16 Part 1632 Mattress (Quilt) 2S

310

**Client's Identification:**

Style: DC-TG-ZP. Identification #: Dream Cloud 14" Tight Top-DC14TG-Zipped. (see continuation)

Test Category: Cigarette Ignition      Specifier: CPSC      LE 2018; V 9/18      PC: 48H      SM/pm

TEST PERFORMED: CFR Title 16 Part 1632 - Standard for the Flammability of Mattresses and Mattress Pads (FF 4-72, Amended)

Ignition Source: SRM 1196a Cigarette

PRODUCT CATEGORY: Quilted Surface Mattress

TEST SELECTION:     Prototype  
                           Production Quality Assurance  
                           Experimental

**MATTRESS COMPOSITE CLIENT'S IDENTIFICATION (continuation):**

Covering Material (Ticking): Knitted Fabric

Fire Blocking Layer (Interliner): Inherent FR Fiber

Filling Material (s): Foam

Insulator Pad: PK Felt

Core: Pocket Coil

ABBREVIATIONS WHICH MAY BE USED: INSBC = Information Not Supplied by Client

Conditioning Prior to Testing: In accordance with paragraph 1632.4 --

At least 48 hours at greater than 18°C (65°F) and less than 55% RH

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**BRIEF DEESCRPTION OF TEST:** A minimum of 18 lighted cigarettes are placed on the mattress surface. A line is drawn across the width of the mattress, dividing it into two equal sections. One of the sections is covered with a once laundered 100% cotton bed sheet. Nine lighted cigarettes are placed on the covered section. A second piece of cotton sheeting is then placed over this group of nine cigarettes to intensify the heat. The other section remains uncovered. Nine lighted cigarettes are placed on this uncovered section. In certain instances, cigarettes will self-extinguish. When this occurs, additional lighted cigarettes must be placed on the mattress. This will increase the ACTUAL number of cigarettes beyond the minimum total of 18. The test records the number of ignitions that occur at any cigarette placement location. If there is an obvious ignition, that placement location is extinguished and a "char length" measurement is not made. In certain instances, ignition is not obvious and there may be continuous burning beyond the cigarette. When this occurs, a char length measurement is made.

Remarks: None.

**RESULTS:**

| SURFACE #1             | Cigarette Placement Location | # of Cigarette Placements | # of Obvious Ignitions | # of Chars Measuring More than 2" Beyond Cigarette |
|------------------------|------------------------------|---------------------------|------------------------|--|
| Bare (without sheets)  | Edge                         | 3                         | 0                      | 0  |
|                        | Quilt                        | 3                         | 0                      | 0  |
|                        | Smooth                       | 3                         | 0                      | 0  |
| Covered (with sheets)  | Edge                         | 3                         | 0                      | 0  |
|                        | Quilt                        | 3                         | 0                      | 0  |
|                        | Smooth                       | 3                         | 0                      | 0  |
| Totals for Surface #1: |                              | 18                        | 0                      | 0  |

| SURFACE #2             |        |    |   |   |
|------------------------|--------|----|---|---|
| Bare (without sheets)  | Edge   | 3  | 0 | 0 |
|                        | Quilt  | 3  | 0 | 0 |
|                        | Smooth | 3  | 0 | 0 |
| Covered (with sheets)  | Edge   | 3  | 0 | 0 |
|                        | Quilt  | 3  | 0 | 0 |
|                        | Smooth | 3  | 0 | 0 |
| Totals for Surface #2: |        | 18 | 0 | 0 |

Note: An asterisk (\*) indicates that there was no edge to support a cigarette placement.

"PD" indicates that the char penetrated to a depth of more than 2" without obvious flaming ignition.

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|--|--|--|
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**FAILURE CRITERIA:** The mattress fails the test if any obvious ignition occurs or there is a char measurement of more than 2".

**CONCLUSION:** Based on the reported Results and the cited Failure Criteria, the item tested:

Passes;  Fails

**CERTIFICATION:** I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

\_\_\_\_\_  
AUTHORIZED SIGNATURE  
SGS NORTH AMERICA  
/jab /al

Test Technician: Joseph Philippas

Enclosure: Photos

*Bobby Brown*

JUN 30 2021

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**SGS**

**Test Report #:**

**3-44250-0-0**

**Surface 1**

**Date: 6/28/21**



**SGS**

**Test Report #:**

**3-44250-0-0**

**Surface 2**

**Date: 6/28/21**

