
CALIFORNIA TECHNICAL BULLETIN 121

Norix Group, Inc.
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Tested By:
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Certified by:
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It is our policy to retain components and sample remnants for a minimum of 14 days from the report date, after which time they may be discarded.
NOTE: all full scale flammability samples are discarded upon completion of the testing. The data herein represents only the item(s) tested. This certificate shall not be reproduced, except in full, without the written approval of the laboratory.

Unless otherwise specified, measurement uncertainty was not taken into account when making statements of conformity to a specification.

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Sample ID: MM4-2575-MD-619

OPEN FLAME EVALUATION – CA T.B. 121

TEST RESULTS SUMMARY:

This report presents the results of a full-scale **CA T.B 121** open flame test conducted on the following.

PROJECT #:	ESP041017P - Norix Group Inc
TEST SEQUENCE #:	1
TEST CONFIGURATION:	Test Room - 12' x 10' x 8'
PRODUCT MANUFACTURER or SUPPLIER:	Norix Group, Inc.
Sample ID:	MM4-2575-MD-619 Marathon Mattress
TEST AREA: temp (°F) / R.H. (%): CONDITIONING ROOM: temp (°F) / R.H. (%): TIME OUT OF CONDITIONING (removal / test start - total):	74 / 23 71 / 52 12:21 PM / 12:25 PM - 4 minutes
TOTAL INITIAL MASS (kg):	26.8
TEST DATE:	10-31-2023
COMMENTS:	TB 121 Test Newspaper = 186g
Test Operator:	Noah Hitchen
Witness:	

Test Results	Data	Criteria	Pass/Fail
Total mass loss @ 10 min (kg):	0.3	2.7 (10%)	Pass
Peak ceiling temperature in room (°F):	93.8	500 °F	Pass
Peak carbon dioxide in room (ppm):	280	1,000 ppm	Pass

PASS/FAIL CRITERIA:

GREATER THAN 10% WEIGHT LOSS IN THE 1ST 10 MINUTES
A TEMPERATURE OF 500°F OR GREATER AT THE THERMOCOUPLE ABOVE THE MATTRESS
“IN ROOM” CARBON MONOXIDE LEVEL EXCEEDS 1,000 PPM AT ANY TIME DURING THE TEST

Sample ID: MM4-2575-MD-619

STANDARD TEST PROCEDURE:

This test was conducted in accordance with California Technical Bulletin 121, a brief summary is detailed below:

The mattress was allowed to condition for at least 48 hours in conditions compliant with California technical bulletin 121 (temperature – 70°F ± 5°F / relative humidity – less than 55%). The instrumentation was calibrated and zeroed prior to the evaluation. Data logging and video were obtained for 2 minutes prior to ignition.

The source of ignition was a galvanized metal container with 180-190 grams of double sheets of loosely wadded newspaper. The metal container was centered under the mattress 3 +/- 1/4" below the mattress bottom surface.

The test proceeded until either all combustion had ceased, at least 10 percent mass loss of the mattress was recorded, 60 minutes had passed or the development of a fire of such size as to require suppression for the safety of the facility.

Equipment		
Gas Analyzer	s/n: 200220	Calibrated Prior to Use
Temperature Logger	PT-161-060	Calibration due date: 09-16-2024
Scale	PT-161-027	Calibration due date: 06-09-2024

REMARKS:

Due to the nature of the test, the specimen was discarded upon completion of the procedure.

Tested by:

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Sleep System Evaluation

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