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## CALIFORNIA TECHNICAL BULLETIN 133 / ASTM E1537

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**Tested By:**  
Gavin D. Ray  
**Certified by:**  
Brent L. Larson

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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: FEN-09-XXX Fenix Armless Chair

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## OPEN FLAME EVALUATION – CA T.B. 133 / ASTM E1537

### TEST RESULTS SUMMARY:

This report presents the results of a full scale open flame test conducted on the following.

PROJECT #:	ESP044371P - Norix Group Inc
TEST SEQUENCE #:	5
TEST CONFIGURATION:	Open HOOD
PRODUCT MANUFACTURER or SUPPLIER:	Norix Group, Inc.
Sample ID:	FEN-09-XXX Fenix Armless Chair
TEST AREA: temp (°F) / R.H. (%): CONDITIONING ROOM: temp (°F) / R.H. (%): TIME OUT OF CONDITIONING (removal / test start - total):	75 / 23 72 / 45 01:30 PM / 01:35 PM - 5 minutes
TOTAL INITIAL MASS (kg):	9.70
TEST DATE:	04-30-2025
COMMENTS:	
Test Operator:	Gavin Ray
Witness:	

Test Results	Data	Criteria	Pass/Fail
Peak rate of heat release (kW):	22.2	80 kW	Pass
Time @ peak release (mm:ss):	01 : 11	--	--
Total heat released @ 10 min (MJ):	1.8	25.0 MJ	Pass
Total mass loss @ 10 min (kg):	0.5	1.4 kg (3.0 lbs)	Pass
Peak rate of smoke release (m³/s):	0.01	--	--
Time @ peak smoke (mm:ss):	01 : 25	--	--
Total smoke released @ 10 min (m³):	0.1	--	--

### PASS/FAIL CRITERIA (CA T.B. 133 only):

**PEAK RATE OF HEAT RELEASE SHALL NOT EQUAL OR EXCEED 80 kW**  
**TOTAL HEAT RELEASED AT 10 MINUTES SHALL NOT EQUAL OR EXCEED 25 MJ**  
**MASS LOSS DUE TO COMBUSTION AT 10 MINUTES SHALL NOT EQUAL OR EXCEED 1.4 KG (3 LBS)**

Sample ID: FEN-09-XXX Fenix Armless Chair

**STANDARD TEST PROCEDURE:**

This test was conducted in accordance with California Technical Bulletin 133 / ASTM E1537, a brief summary is detailed below:

The sample was allowed to condition for at least 48 hours in conditions compliant with California technical bulletin 133 / ASTM E1537 (temperature – 70°F ± 5°F / relative humidity – less than 55%). The instrumentation was calibrated and zeroed prior to the evaluation. After the specimen was placed on the scale, the burner alignment procedure was performed. Data logging and video were obtained for 2 minutes prior to burner ignition. The burner application time was 80 seconds. Upon completion of the flame application time, the burner unit was removed from the test area.

The test proceeded until either all combustion had ceased, 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 Daily Prior to Use
Scale	s/n: 156911/C27927	Calibration due date: 6-6-2025

**REMARKS:**

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

**Tested by:**

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**Certified by:**

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