

California Division

6555 TELEGRAPH ROAD - LOS ANGELES, CALIFORNIA 90046 - 213-723-7181

REPORT OF TEST

NUMBER

TO: Western Flame Safe
2197 North Street
Anderson, CA 96007

LA 31383
9/20/83

CT: Fire Retardant Chemical

REFERENCE:

Client's confirmation dated 8/19/83 signed by D.E. Munns.

SAMPLE IDENTIFICATION:

One sample submitted and identified by the Client as fire retardant chemical and six Douglas Fir branches.

TEST REQUEST AND METHOD:

Flammability per California Administrative Code, Title 19, Public Safety, Article 3, Section 1264.3, "Christmas Trees" and referenced Section 1237.1 (Small Scale Test).

The chemical was applied in accordance with the Client's instructions. A hand activated spray bottle was used to apply a light coating of the chemical. The chemical was allowed to become tacky on the branches and then a second coat was applied until the branches were completely saturated.

The treated and untreated branches were aged at the following conditions (monitored during the working day).

Temperature	73.4±1.8PF
Relative Humidity	50±2%

The test was performed after a 30 day aging period.

Technician: *K. King*
sl

SIGNED FOR THE COMPANY

Lorna Ozawa
BY Lorna Ozawa, Manager
Material, Textiles

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United States Testing Company Inc

CLIENT: Western Flame Safe

Number
LA 31383

RESULTS:

Afterflame, sec.

0.0
0.0
0.0

PHYSICAL:

The treated branches did not lose needles or turn brown at a rate greater than the untreated branch.

REQUIREMENT:

There shall be no spread of flame from the area in contact with the test flame, and any afterflaming shall not exceed 10 seconds. At the completion of the 30-day aging period, the treated branch shall not lose its needles more readily nor shall they have turned brown to a greater extent than those of the untreated branch similarly aged.

COMMENT:

The submitted chemical meets the requirements of Title 19, Section 1264-3 for use on Douglas Fir trees.

NOTE: The sprayed branches remained tacky after drying and did not lose the tacky feeling during the 30 day aging period.