

**Study Number:** I14013

**Test Type:** TOX

**Route:** Application

**Species/Strain:** Mouse/Taconic BALB/c

**C Number:**

**Study Gender:**

**PWG Approval Date**

**M01: Irritancy Assay Summary**

**Test Compound:** 4-Methylcyclohexanemethanol Crude

**CAS Number:** CRUDEMCHM

I14013

Female

See web page for date of PWG Approval

**Date Report Requested:** 09/24/2019

**Time Report Requested:** 12:40:10

**Lab:** Burleson Research Technologies

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M01: Irritancy Assay Summary

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Females

Treatment	Day 1	Day 3		Day 6	
	Mean Ear Thickness: 10 <sup>-2</sup> mm	Mean Ear Thickness: 10 <sup>-2</sup> mm	Ear Thickness: Percent Difference from Control	Mean Ear Thickness: 10 <sup>-2</sup> mm	Ear Thickness: Percent Difference from Control
Vehicle	15.55 ± 0.18 (5)	15.65 ± 0.15 (5) **	0.00 ± 0.96 (5) **	15.55 ± 0.12 (5)	0.00 ± 0.79 (5)
1%	15.75 ± 0.08 (5)	15.53 ± 0.06 (5)	-0.80 ± 0.39 (5)	15.70 ± 0.09 (5)	0.96 ± 0.60 (5)
2%	15.50 ± 0.08 (5)	15.50 ± 0.00 (5)	-0.96 ± 0.00 (5)	15.50 ± 0.00 (5)	-0.32 ± 0.00 (5)
5%	15.80 ± 0.09 (5)	15.95 ± 0.09 (5)	1.92 ± 0.60 (5)	15.73 ± 0.08 (5)	1.13 ± 0.53 (5)
20%	15.20 ± 0.09 (5)	16.55 ± 0.17 (5)	5.75 ± 1.06 (5)	16.15 ± 0.10 (5) **	3.86 ± 0.64 (5) **
40%	15.45 ± 0.17 (5)	15.85 ± 0.06 (5)	1.28 ± 0.39 (5)	15.55 ± 0.05 (5)	0.00 ± 0.32 (5)
80%	15.40 ± 0.13 (5)	16.13 ± 0.19 (5)	3.04 ± 1.24 (5)	15.70 ± 0.09 (5)	0.96 ± 0.60 (5)
0.15% DNFB	15.30 ± 0.05 (5)	16.93 ± 0.12 (5) **	8.15 ± 0.78 (5) **	16.95 ± 0.09 (5) **	9.00 ± 0.60 (5) **
5% ISO	15.40 ± 0.10 (5)	16.90 ± 0.06 (5) **	7.99 ± 0.39 (5) **	16.60 ± 0.19 (5) *	6.75 ± 1.20 (5) *

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## LEGEND

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Data are displayed as mean  $\pm$  SEM (N) unless otherwise noted.

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical analysis for the positive control group compared to the vehicle control group was performed using the Kruskal-Wallis test.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

Ear thickness calculated as ear swelling (percent of control) using the following calculation  
 $((\text{average ear thickness for animal (day 3 or 6)} / \text{control mean ear thickness (day 3 or 6)}) * 100)$

DNFB = 1-Fluoro-2,4 -dinitrofluorobenzene

ISO = Isoeugenol

**\*\* END OF REPORT \*\***