

INTRATRACHEAL INSUFFLATION
ACUTE ORAL TOXICITY TEST

DATE 1-16-62

MATERIAL Titanium Dioxide 1cc

MR-383 DEPT. Pigments BK. NO. Insuff[#] 1 P. 1A TECH. R. Gark
S. Nick

DEPT. SAMPLE NO. Lot 5923 HASK. NO. 3106 DENSITY —
Lot 5340 3107

Solid () Solution () gms/100 ml ()
Liquid () Paste () gms/100 gms () in _____
Semi-Liquid () Powder (✓) ml/100 ml ()

Material given by intratracheally* to 4 Ch. CD in original
ice. of rats (for each compd.)
form or as a 5% solution of active ingredients in saline
suspension original sample

Four comparable rats similarly dosed with 1cc. 100% solution saline as
a control.

	Date	Animal Number	Init Wt.	Dose (ml)	Dose (mg/kg)	% Sol	Weight Change (grams)	Results	TS
							LOW FINAL		
H# 3106	1-16-62	50254	365	1	—	5%	340	412	✓
		50257	375	1	—	in	—	434	✓
		50265	378	1	—	5%	354	413	✓
		50266	368	1	—	2	340	383	✓
								(14 days)	
	1-16-62	50270	336	1	—	5%	331	365	✓
H# 3107		50280	350	1	—	in	347	390	✓
		50281	368	1	—	5%	361	410	✓
		50286	355	1	—	2	342	395	✓
								(14 days)	
	1-16-62	50291	360	1	—	100%	—	413	✓
Controls		50300	380	1	—	5%	—	430	✓
		50316	348	1	—	2	345	389	✓
		50317	350	1	—	2	341	402	✓

ALD: _____ mg/kg

REMARKS: * See Grasselli, Insufflation 1, p. 32 for complete procedure.

N37246

CLINICAL OBSERVATIONS

H#3106

Post dosing:

Deep, irregular, pumping respiration; inactive. 1-14 days — appear all right except for intermittent weight losses. Sacrificed 14 days.

H#3107

Post dosing:

Slightly heavy, irregular respiration. 1-14 days — appear all right except for initial weight losses and opacity in left eye of #50280. Sacrificed 14 days.

Controls

Post dosing:

Appeared all right through 14 days. Sacrificed 14 days.