

Table 1

Distribution of Samples of Fresh Chile Latex * According to "X" Content

<u>"X" in parts per million</u>	<u>Frequency</u>
0 - 0.019	0
0.02 - 0.039	4
0.04 - 0.059	24
0.06 - 0.079	16
0.08 - 0.099	12
0.10 - 0.119	6
0.12 - 0.139	3
0.14 - 0.159	1
0.16 - 0.179	2
Total	68

*The results on samples stabilized with Formaldehyde and Ammonia do not differ measurably from those obtained on untreated samples. The ammonia contained "x" to the extent of 0.013 p.p.m.

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mer part of Zapote tree (may fall into later)		0.10	0.45
Place of Zapote tree (contaminated with soil)	1		2.30
all from various areas			
od ashes from camps (on surface of camp ground)	2	7.50	8.50
ther as used for various purposes in camps	13	0.015	0.06
trainer of galv. iron wire used in a camp in Herida	1	1.1 mg. x per sq.	
ire screen of galv. iron used in a camp in Turpema	1	0.04 " "	" "
ocket of galv. iron used as strainer in Herida - Turpema	1	1.55 " "	" "
ills used to make wooden moulds in Comuel	6	0.00	6.00
ap used to lubricate moulds in Herida	4	1.40	7.20
ap used to lubricate moulds in Comuel	5	0.80	6.20
ap used to lubricate moulds in Turpema	4	0.20	2.60
ap used to lubricate moulds in Laguna	1		2.40
ap used to lubricate moulds in Comanche	2	0.60	0.80
osquili" used to apply soap to moulds	10	2.00	6.80
ense used to lubricate moulds	1		12.50
ropane used to lubricate moulds	1		23.00
lm leaves used as mat in moulding	1		0.35
the mat used in moulding	1		6.6
mp bag used as mat or as container (soiled) for blocks	3	3.0	35.20
insequin bag used as container for chile blocks (soiled)	2	6.6	13.00
ry dye (used in dilute solution to label bags)	1		140.00
aster from warehouse wall	2	4.00	11.00
ceopine from floor of warehouse	3	10.40	23.00

Total number of analyses

76

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Table 1

The "X" Content of Chile Prepared Experimentally in Camps in Which
Soldered Kettles were in Use. *

Description of Sample	"X" Content of Chile Expressed in parts per million.	Tin line in Spectro- gram of Chile
Block made in Merida Camp # 1	3.60	present
" " " " " # 2	0.30	?
" " " " " # 3	13.00	dense
" " " " " # 4	18.00	"
" " " Cozumel " H	5.80	present
" " " " " P 1	2.40	"
" " " " " P 2	1.80	"
" " " " " P 3	1.60	"
" " " " " P 4	1.30	"
" " " " " P 5	1.30	"
" " " " " P 6	1.20	"
" " " Tuxtepec " G	0.50	"
" " " " " E.M.	0.50	"
" " " " " S.F.	0.15	?
" " " " " F.O.	0.20	?
" " " Laguna " A	0.20	?
" " " Campeche " Q-1	0.30	?
" " " " " H 1	0.10	?
" " " " " H 2	0.20	?

* Two blocks made from fresh chile in new stainless steel kettles gave results of 0.05 p.p.m. and 0.05- respectively.

Another sample block cooked in a clay pot showed 0.20 p.p.m.

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Table 4

tical hod	Location of Laboratory	Grams Ash Used	Gram Equivalent of raw chicle	"X" found Mgs.	Result expressed in p.p.m. of "X" in original raw chicle.
zone	Yale University	0.560	10.0	0.0502	5.02
	" "	0.560	10.0	0.0503	5.03
	M. I. T.	0.560	10.0	0.045	4.5
	" " "	1.120	20.0	0.036	4.3
rographic	" " "	0.560	10.0	0.0475	4.75
	" " "	1.120	20.0	0.1074	5.37
zone	Kettering Lab. Univ. of Cinti.	0.280	5.0	0.023	5.6
rographic	" "	0.280	5.0	0.027	5.4
Chem.	" "	5.600	100.0	0.47	4.7 $\approx$ 5.4
zone	Beech-Nut Packing Co. Canajoharie	?	?	?	5.4