

NORTHEAST LABORATORIES, INC.

129 MILL STREET - BERLIN CT 06037

[Note: Danbury CT Drop Off Site (Mon. - Thurs.): 100 Mill Plain Rd., Suite #342 - Danbury CT 06811]

TELEPHONE: (in CT): 800-826-0105 -- (Outside CT): 800-654-1230 **or** (860) 828-9787 -- FAX #: (860) 829-1050

Danbury Area: (203) 791-3874 E-Mail: NELABSCT@AOL.COM WW Web: NortheastLaboratories.com

CT Cert. #PH-0404 & PH0606 NY Cert.# 11471 EPA Cert. #CT-024 USDA Cert. #0976 FDA Reg. #3001743770 DEA Reg. #624

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ANALYTICAL REPORT

NORTHEAST LABORATORIES

Report Prepared For:

Shaw's Supermarket Inc.

Dennis Kwider

140 Laurel Street

P.O. Box 600

E. Bridgewater, MA 023330600

Report Dated: 12/28/01 **

Order Number: N0115501

**** Report Reprint: 5/24/2004**

for Copy To: Daley International.

Laboratory ID #: 0115501-01

Sample : 4 sets of 3 cantaloupes each

Description:

Whole Cantaloupe #s 1-12

Sampling Location:

Shaws Store #197-Kitts Ln, Newington CT

Purchased by TN of NELab

Collected: 10/12/01

Received: 10/12/01

SUMMARY:

Tested: 10/12-12/12/01

1. One dozen cantaloupes were purchased at Shaw's in Newington.
 2. All were thoroughly rinsed in cold water to remove gross soil contamination. All were dried on wire racks.
 3. A mixed culture consisting of the following bacteria was prepared (using serial transfers of the individual bacteria over several days before a final mixing) in tryptic soy bacteria.
Escherichia coli ATCC 8739
Staphylococcus epidermidis ATCC 12228
The final mix was used to inoculate warm tap water (35°C) in a five- gallon container.
 4. All the cantaloupes were then dipped into the inoculum and rolled and rotated for one minute, then removed and allowed to drain on wire racks for thirty minutes. All operations were carried out at room temperature.
 5. Three were set aside as controls.
 6. Three were dipped into tap water.
 7. Three were dipped into a chlorine solution (100 ppm).
 8. Three were dipped into Citrobio diluted using the equipment provided.
- All processing was for five minutes contact time.
9. All were allowed to drain but were not rinsed.
 10. A circular template was cut out of a stiff plastic sheet to ensure uniformity of sample size.
 11. Whirl-pak Speci-sponges for surface sampling were used to swab the surfaces of the cantaloupes. Diluent used was nutrient broth.
 12. Samples were then plated from these swabs. Results as follows:

Controls: Three cantaloupes dipped into inoculating solution but not processed. These are the bacteria levels that will be reduced or eliminated by the various procedures used.

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Sampling Location: Shaws Store #197-Kitts T.L., Newington CT
Purchased by TN of NELab

Collected: 10/12/01
Received: 10/12/01

Results per sq. inch:

	CANTALOUPE # 1	CANTALOUPE # 2	CANTALOUPE # 3	MEAN
ORGANISM				
S.epidermidis	130,000	170,000	190,000	160,000
E.coli	320,000	510,000	610,000	480,000

Samples rinsed in water only:

Results per sq. inch:

	CANTALOUPE # 1	CANTALOUPE # 2	CANTALOUPE # 3	MEAN
ORGANISM				
S.epidermidis	27,000	31,000	24,000	27,000
E.coli	33,000	22,000	25,000	27,000

Soaked in 100 ppm chlorine solution:

Results per sq. inch:

	CANTALOUPE # 1	CANTALOUPE # 2	CANTALOUPE # 3	MEAN
ORGANISM				
S.epidermidis	2,700	3,100	2,400	2,700
E.coli	920	1,200	1,200	1,100

Soaked in Citrobio:

Results per sq. inch:

	CANTALOUPE # 1	CANTALOUPE # 2	CANTALOUPE # 3	MEAN
ORGANISM				
S.epidermidis	2,400	4,100	2,400	3,000
E.coli	700	1,000	1,600	1,100

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Purchased by TN of NELab

Collected: 10/12/01

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%

STAPHYLOCOCCUS EPIDERMIDIS:

Initial Count	160,000	100
After Water Rinse	27,000	16.9
After Chlorine Rinse	2,700	1.69
After Citrobio Rinse	3,000	1.88

%

ESCHERICHIA COLI:

Initial Count	480,000	100
After Water Rinse	27,000	5.63
After Chlorine Rinse	1,100	0.23
After Citrobio Rinse	1,100	0.23

Citrobio works as well as Chlorine for reducing bacteria on highly contaminated products.