

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2022
 DateRun: 04/15/2022
 Experimenters: Zoe Lawson, Aditi Patel, Tatyanna Moreland Junior
 ClientType:
 ProjectNumber: Project #1
 Substrates: Other
 PartType: Part
 Contaminants: Food
 Cleaning Methods: Low Pressure Spray
 Analytical Methods: Smell

Purpose: To evaluate the odor removal of Funk Away products on towels with spoiled milk.

Experimental Procedure: Spoiled milk was spread evenly onto 10 individual cotton towels and allowed to soak in. 2 towels were set aside as control towels while 2 towels were used for each of the four cleaners. Each panelist was asked to describe spoiled milk and to rank the level of intensity of the malodor; from 1 being no malodor to 5 being high malodor levels. Following initial ratings, the towels were subjected to rounds of cleaning agent treatment, one treatment cycle consists of 2 sprays and each panelist was used to assess malodor levels after each cycle of treatment. Treatments of the contaminated towels were stopped after three treatment cycles. The towels were then allowed to age overnight, and the malodor rating was taken the following day. The towels were subject to one last treatment cycle before the final set of malodor ratings were performed. An effective cleaner will have a malodor level of under 2 after the 3rd round of treatment.

Results:

Treatment	Product	Panelists				Average
		I	II	III	IV	
Control	Funk Away Batch 33	5	5	5	5	5.0
		5	5	5	5	
2 Sprays		4	4	3	4	3.4
		3	2	4	3	
4 Sprays		3	2	2.5	3	2.8
		3	2	4	2.5	
6 Sprays		1.5	2	1	1	1.3
		1.5	1	1	1	
Overnight		3	3	2	2.5	2.5
		3	2	2	2.5	
8 Sprays		1.5	1	1	1	1.2
		2	1	1	1	
Control	Funk Away 5804A1	5	5	5	5	5.0
		5	5	5	5	
2 Sprays		3.5	3.5	4	4	3.9
		4	4	4	4	
4 Sprays		3	2	3	3	2.9
		3	3	3	3	
6 Sprays		3	3	3	2.5	2.8
		3	2	3	2.5	
Overnight		4	4	4	4	4.3
		4	5	5	4	
8 Sprays		1.5	2	1	2	1.6
		1.5	2	1	1.5	
Control	Funk Away 5804A6	5	5	5	5	5.0
		5	5	5	5	
2 Sprays		4	3	4	4	3.9
		4.5	4	4	4	
4 Sprays		3.5	3.5	3	3.5	3.3
		3.5	3.5	3	3	
6 Sprays		3.5	2	2.5	3	2.3

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		2	1	2.5	2	
Overnight		4	3.5	4	4	3.8
		3.5	3.5	4	4	
8 Sprays		3.5	3.5	4	3.5	3.6
		3.5	3.5	4	3.5	
Control	Funk Away Big Jobs	5	5	5	5	5.0
		5	5	5	5	
2 Sprays		3.5	3.5	4	4	3.6
		3.5	3	3.5	3.5	
4 Sprays		3.5	3.5	3	3	3.2
		3.5	3	3	3	
6 Sprays		2	2	1.5	2	1.8
		1.5	2	1.5	2	
Overnight		4	5	4	4.5	4.4
		4.5	5	4	4.5	
8 Sprays	2	2	2	2	2.0	
	2	2	2	2		

Average ratings over duration of treatment:

Product	2 spray Average	4 Spray Average	6 Spray Average	Overnight Average	8 Spray Average
Funk Away Batch 33	3.4	2.8	1.3	2.5	1.2
Funk Away 5804A1	3.9	2.9	2.8	4.3	1.6
Funk Away 5804A6	3.9	3.3	2.3	3.8	3.6
Funk Away Big Jobs	3.6	3.2	1.8	4.4	2.0

Summary:

Conclusion:

Funk Away Batch 33 and Funk Away Big Jobs were the most effective products with malodor scores under 2 after the 3rd round of treatment. Funk Away Batch 33, Funk Away 5804A1, and Funk Away Big Jobs did the best at reducing malodor after sitting overnight and adding 2 additional sprays. Funk Away 5804A6 was the least effective with consistent malodor ratings from start to finish.