

Table 1: Mean and standard deviation of OM score, H₂S, CH₃CH and (CH₃)₂S

			baseline	just after rinsing	time(min.)							
					30	60	90	120	150	180	210	240
OM score	experimental group	mean	2.10	1.23**	1.20**	1.37**	1.33**	1.40**	1.46**	1.43**	1.47**	1.50**
		(SD)	(0.51)	(0.32)	(0.32)	(0.40)	(0.45)	(0.39)	(0.32)	(0.42)	(0.48)	(0.42)
	control group	mean	1.87	1.70	1.90	1.90	2.00	2.00	2.11	2.00	2.03	1.93
		(SD)	(0.61)	(0.53)	(0.43)	(0.60)	(0.57)	(0.53)	(0.60)	(0.50)	(0.44)	(0.50)
H ₂ S (ng/10ml)	experimental group	mean	5.31	0.12**	0.88**	1.62**	1.17**	1.29**	1.18**	1.72*	1.67**	1.84*
		(SD)	(4.89)	(0.28)	(1.28)	(2.43)	(1.11)	(1.12)	(0.84)	(1.39)	(1.05)	(1.62)
	control group	mean	4.88	3.70	3.30	3.34	3.74	4.79	6.45	4.99	4.49	6.77
		(SD)	(6.61)	(7.24)	(3.83)	(3.36)	(3.89)	(4.67)	(8.36)	(4.65)	(4.65)	(5.96)
CH ₃ SH (ng/10ml)	experimental group	mean	1.42	0.04**	0.14**	0.28**	0.27**	0.27**	0.21**	0.32*	0.30*	0.30*
		(SD)	(1.48)	(0.08)	(0.20)	(0.31)	(0.23)	(0.24)	(0.17)	(0.28)	(0.23)	(0.28)
	control group	mean	1.21	0.61*	0.80	0.94	1.07	1.40	1.78	1.58	1.45	2.03*
		(SD)	(1.45)	(0.81)	(0.70)	(0.79)	(0.93)	(1.28)	(1.76)	(1.49)	(1.50)	(1.51)
(CH ₃) ₂ S (ng/10ml)	experimental group	mean	0.40	0.02**	0.05**	0.10**	0.09**	0.12**	0.10**	0.12**	0.13**	0.10**
		(SD)	(0.27)	(0.06)	(0.20)	(0.16)	(0.13)	(0.14)	(0.12)	(0.16)	(0.12)	(0.12)
	control group	mean	0.33	0.22*	0.28	0.29	0.34*	0.46	0.52	0.43	0.42	0.53**
		(SD)	(0.33)	(0.21)	(0.26)	(0.25)	(0.30)	(0.35)	(0.39)	(0.40)	(0.38)	(0.40)

OM, organoleptic measurement; H₂S, hydrogen sulfide; CH₃SH, methyl mercaptan; (CH₃)₂S, dimethyl sulfide; SD, standard deviation.

*, p<0.05; **, p<0.01 comparison with the baseline (before rinsing) value. Paired t test was used for statistical analysis.