ng high concentration in-office products or low concentration at-home products. At-home products can be obtained either in CRA Newsletter reports on in-office bleaching with & without light & OTC at-home Crest Whitestrips, respectively). The fact in amount of active ingredient, contact times, application methods, additives, & marketing strategies. Clinicians & patients larities & subtle differences among 23 popular at-home tooth bleaching products. (See footnotes below for rating definitions.)

Brand & Company (listed alphabetically)	* * * * * * * * * * * * * * * * * * *	Con Change is a Ch		Visco Grade : 0	Paris G. Paris F. m	1. date: 1. date: 1. day	Jones C. Jones	CR4 , Time =	Mar Co.	Kii Access (20)	/x.
Carbamide Peroxide (CP		ctive ingredient	/ 9	/ 4	/~	/~	/ 2	/ 0	105	/ * /	0
13. CONTRAST PM Spectrum Dental Inc. Phone: (310) 845-3160 Fax: (310) 845-1512	\$1.83/ml \$24.00/kit	SOUNCE STATE OF THE STATE OF TH	4	4	2.3	4.0	80 hrs.	6.1	10% CP 20% CP	tray case	3.5
14. DENTA-LITE Challenge Products Phone: (303) 673-9341 xt:3915 Fax: (303) 673-0346	83e/ml 95 \$50.40/kit 984(\$	1000 and 100	3	2.5	1,6	4.0	42 hrs.	5.5	10% CP 16% CP 22% CP	Valid Case	2.9
15. FX TOOTH WHITENING GEL SL Dental Products Phone: (504) 885-3184 Fax: (504) 885-7215	\$1.74/ml sss.00/kit ssw.	SUB- SUB- SUB- SUB- SUB- SUB- SUB- SUB-	A A	2	1.8	2,5	84 hrs.	5.1	10% CP	travel case	2.7
16. KARISMA Confl-Dental Products Phone: (303) 665-7595 Fax: (303) 666-4320	\$1.21/ml \$40.60/kit		3	2	2.8	2.5	56 hrs.	5.2	10% CP	tray case resin stock-out meterals	2.7
17. NITE WHITE EXCEL 2Z Discus Dental Phone: (310) 845-8200 Fax: (310) 845-1537	\$1,94/ml \$42.50/kit iss	Son Marie	4	4	2.8	2.5	168 hrs.	6.3	10% CP 22% CP	travel case shade guide	3.0
8. NUPRO GOLD Dentsply Professional Phone: (717) 767-8524 Fax: (717) 767-8252	\$1.82/ml \$8 \$54.60/kit \$5		4	4	3.2	4.0	112 hrs.	5.7	10% CP	tray code shade guide	3.3
9. OPALESCENCE PF Ultradent Products Phone: (801) 572-4200 Fax: (801) 572-0600	\$1.99/ml \$39.75/kit Q	NOW TO A HOUSE	4	4	2.4	3.0	56 hrs.	6.3	10% CP 20% CP	tray case touthpaste shade guide usin block-out material	3.4
O. REMBRANDT GEL PLUS Den-Mat Phone: (805) 922-8491 Fax: (805) 922-5933	\$1.25/ml \$25.00/kit pau	to the state of th	4.	1	3.3	2,5	84 hrs.	5.8	21% GP	tray case shade guide toothpaste breadt drops	2.7
1. REMBRANDT X-COMFORT Den-Mat Phone: (805) 922-8491 Fax: (805) 922-6933	\$1.25/ml \$25.00/kit T \$1.86/ml \$45.00/kit A	tos tos	4	2,5	2.6	4.0	112 hrs.	5.8	12% CP 21% CP	tray case shade qua- toothpaste breath drops	3.2
2. WHITE & BRITE Omnii Products Phone: (561) 689-1140 Fax: (561) 689-1159	\$1.86/ml \$45.00/kit 4	See	4	4	3.0	4.0	36 hrs.	5.2	10% CP 22% CP	tray case shade guide	3.7
3M Dental Phone: (651) 575-5144 Fax: (651) 733-2481	\$3.54/ml \$52.08/kit	SCA TO 2 2 Moura	4	4	2.0	2.6	56 hrs.	6.0	10% CP	travel case	3.0

- * Cost per ml based on retail list cost of refill kits.
 Cost per kit based on most sold kit according to company.
- \$ of total bleaching agent available after adjusting for tooth size & interproximal spaces for each test subject. All 23 products were tested using vacuum formed trays without reservoirs because this method provided best standardization.
 Manufacturer claims formulation has changed.
- Color change measured using Vitapan 3D-Master Shade Guide 1 week after treatment completed.
- KEY: 4= Excellent: 3= Good: 2= Fair: 1= Poor.
- # Average based on columns A, B, C, D, E, F, G, H.
- * Manufacturer claims product no longer on market.

hades using company's recommended regimen. Differences are summarized below:

- E. <u>VISCOSITY</u> of all HP & 6 of 7 10% CP products was high. High viscosity gels stayed on teeth & retained more active ingredient over time. 15% CP products varied in viscosity by brand with Rembrandt Gel Plus showing lowest viscosity & most rapid decrease in active ingredient during use. However, it gave comparable lightening due to its longer use period.
- F. TASTE rated in blind tests showed no products rated excellent, five rated good, fifteen fair, & three poor. Crest Whitestrips, Rembrandt Gel Plus, & Nupro Gold received highest grades.
- G. <u>USER SATISFACTION</u> surveys showed 100% satisfaction for 9 products: Crest Whitestrips, Contrast PM, Day White 2Z, Denta-Lite, Nite White Excel, Nupro Gold, Rembrandt X-Comfort 16%, White & Brite, & VivaStyle.
- H. TOTAL CONTACT TIME varied substantially (10-168 hours). Bleaches with active ingredients of 3.0 to 7.5% HP recommended shortest treatment times (≤ 21 hours) & gave desired results. Colgate Platinum Overnight recommended shortest contact time for overnight treatment (30 hours).