

# Candida albicans

Optical densities revealing the growth of micro-organisms for undiluted solutions and percent solutions of the individual components of Listerine® (thymol 0.064%, eucalyptol 0.092%, menthol 0.042%, methyl salicylate 0.06%, ethanol 27%), Listerine® and various component mixtures (SD standard deviation).

Percent Solution	Thymol		Eucalyptol		Menthol		Methyl Salicylate		ETOH	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
100	0.054975	0.000330403	0.05395	0.000493288	0.052925	0.000206155	0.05245	0.000457346	0.053125	0.000457346
50	0.0602	0.000627163	0.05975	0.000264575	0.059925	0.000903234	0.059475	0.000880815	0.060275	0.000880815
25	0.064225	0.000537742	0.0634	0.000282844	0.063625	0.000287229	0.0633	0.000858293	0.06455	0.000858293
12.5	0.06635001	0.000822597	0.0766	0.002533772	0.067825	0.000549999	0.0741	0.003973663	0.08865	0.003973663
6.25	0.072175	0.003367865	0.22275	0.02980766	0.2059	0.02922408	0.233775	0.03327055	0.267425	0.03327055
3.125	0.211225	0.03684982	0.30415	0.002701241	0.305575	0.02887748	0.328575	0.04134234	0.331325	0.04134234
1.5625	0.352575	0.03455038	0.37205	0.09884454	0.359775	0.03901695	0.3592	0.0398424	0.35475	0.0398424
0.78125	0.38505	0.0344505	0.436075	0.09989028	0.38235	0.04939869	0.374575	0.04862777	0.3695	0.04862777
0.390625	0.4266	0.06874508	0.330375	0.03051375	0.384275	0.04633662	0.380325	0.06393756	0.4232	0.06393756
0.1953125	0.390925	0.03143272	0.3493	0.01753131	0.3724	0.05211289	0.39115	0.04372462	0.385575	0.04372462
0	0.407125	0.0493602	0.3422	0.03332297	0.393375	0.04708548	0.37675	0.05045483	0.395925	0.05045483

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Percent Solution	Listerine		Eucalyptol + Menthol		Eucalyptol+ Thymol		Eucalyptol + Methyl Salicylate		Eucalyptol + Menthol + Methyl Salicylate		Eucalyptol + Menthol + Thymol	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
100	0.055575	0.003358756	0.055	0.002333451	0.05515	0.002474873	0.0565	0.001555636	0.053425	0.002722361	0.090825	0.01007627
50	0.059225	0.000318198	0.0596	0.000212132	0.05845	0.000424265	0.0605	0.001202081	0.060125	0.001025305	0.06705	0.003394112
25	0.060625	0.000601042	0.060875	0.000459619	0.061275	0.001308147	0.061375	0.00272236	0.062325	0.002015254	0.0599	0.00296985
12.5	0.062625	0.001096016	0.090175	0.02591546	0.062725	0.001166726	0.140975	0.0480479	0.0986	0.04582052	0.0627	0.003464823
6.25	0.08585	0.01385929	0.2635	0.02057681	0.11285	0.0138593	0.314375	0.03857267	0.2622	0.0172534	0.077075	0.01446033
3.125	0.255225	0.03397648	0.2971	0.1050054	0.26745	0.001202081	0.347425	0.0638164	0.296525	0.03935049	0.23405	0.0596091
1.5625	0.282725	0.01834942	0.277875	0.09655543	0.325175	0.003924441	0.32945	0.1142685	0.273425	0.08432248	0.30585	0.05006317
0.78125	0.3106	0.01152583	0.306925	0.07180668	0.351925	0.04380526	0.3377	0.1302491	0.289625	0.0751301	0.28705	0.0244659
0.390625	0.3761	0.00431334	0.34175	0.06038691	0.357625	0.003005207	0.35105	0.07240774	0.3136	0.0881055	0.33365	0.05324513
0.1953125	0.360325	0.02146068	0.38655	0.0595384	0.394175	0.0115612	0.38365	0.1227537	0.3438	0.1127128	0.428925	0.04062327
0	0.51405	0.07636753	0.351775	0.03602709	0.38185	0.08032734	0.3642	0.02679935	0.36725	0.0574878	0.428475	0.079797