

Certificate of Analysis - Mandarin Red

Reference Name	Mandarin (Italy)
CAS:	8008-31-9
Botanical Species:	Citrus deliciosa Tenore (C. reticulata Blanco, var. Mandarin), Rutaceae

0.89%	alpha-Thujene
2.36%	alpha-Pinene
0.02%	Camphene
0.26%	Sabinene
1.68%	beta-Pinene
1.70%	Myrcene
0.05%	alpha-Phellandrene
0.44%	alpha-Terpinene
0.33%	para-Cymene
69.51%	Limonene
0.01%	(Z)-beta-Ocimene
0.02%	(E)-beta-Ocimene
19.85%	gamma-Terpinene
0.87%	Terpinolene
0.16%	Octanal
0.03%	Nonanal
0.09%	Decanal
0.01%	Undecanal
0.02%	Dodecanal
0.11%	Linalool
0.04%	Terpinen-4-ol
0.14%	alpha-Terpineol
0.01%	Citronellol
0.01%	Nerol
0.01%	Geraniol
0.03%	Citronellal
0.01%	Neral
0.04%	Geranial
0.01%	Neryl acetate
0.01%	Geranyl acetate
0.10%	beta-Caryophyllene
0.01%	alpha-Humulene
0.01%	alpha-Copaene
0.05%	Thymol
0.04%	trans-Sabinene hydrate
0.03%	cis-Sabinene hydrate
0.01%	alpha-Cubebene
0.01%	beta-Cubebene
0.01%	1-Octanol
0.15%	Farnesene (unknown isomer)
0.45%	Methyl N-methyl anthranilate
0.04%	Sesquiterpene hydrocarbons (unknown)
0.29%	alpha-Sinensal
0.01%	Perillyl alcohol