

**WALLACE LABS**  
**365 Coral Circle**  
**El Segundo, CA 90245**  
**(310) 615-0116**

**TISSUE REPORT**

January 11, 2021

Location  
 Requester  
 Description Ilex opaca

<u>elements</u>	21-10T-04	21-10T-05	average values for trees		
	leaves	roots	Low	Sufficient	High
phosphorus	1,418.37	3,030.84	< 800	800 - 2,000	>2,000
potassium	9,539.52	33,480.00	8,000 - 10,000	10,000 - 20,000	>20,000
iron	46.23	511.15	50 - 75	80 - 200	>200
manganese	540.56	178.83	40 - 49	50 - 250	>250
zinc	229.02	470.19	20 - 25	20 - 75	>75
copper	17.43	45.30	4 - 5	6 - 25	>25
boron	62.56	25.35	23 - 24	25 - 75	>75
calcium	10,271.45	2,874.57	10,000 - 12,900	13,000 - 20,000	>20,000
magnesium	4,908.63	6,176.33	2,000 - 2,400	2,500 - 5,000	>5,000
sodium	865.49	2,277.93			>1,000
sulfur	2,306.96	4,966.28	1,200 - 1,900	1,900 - 3,000	> 3,000
molybdenum	< 0.03	1.88	0.1 - 0.14	0.15 - 0.35	> 50
aluminum	< 0.13	244.72			> 3
arsenic	< 0.13	< 0.13			> 20
barium	10.72	15.05			> 500
cadmium	0.08	1.90			> 35
chromium	< 0.04	0.08			> 10
cobalt	< 0.05	0.46			> 6
lead	< 0.31	1.23			> 35
lithium	0.45	0.25			> 50
mercury	< 0.03	< 0.03			
nickel	0.61	0.92			> 100
selenium	< 0.49	< 0.49			> 30
silicon	217.63	231.50			
silver	< 0.02	< 0.02			> 1
strontium	21.11	18.27			> 1,000
tin	< 0.28	< 0.28			> 63
titanium	< 0.01	< 0.01			> 50
vanadium	< 0.02	0.32			> 2
nitrogen	1.28%	2.57%	< 2.0%	2.3 - 3.0%	>3.5%
chloride	1,304	3,122	<250	500-1,000	>10,000

Units are mg/kg (parts per million) on a dry weight basis except as noted.