LightLab 3
HS Cannabis Analyzer

Sample ID: Pureroots USDA organic Mandarin Sunset

Certificate of Analysis

Test ID: c9e88842-e2a1-c39b-8940-bc629a424337

Date:	2026-05-28 13:11:59 -04:00	**Serial:**	LL030520
LightLab:	PureRoots Botanicals, LLC	**Operator:**	Sergio R
Sample ID:	Pureroots USDA organic Mandarin Sunset	**Method:**	LightLab HPLC
Test Type:	Plant	**Weight / Volume:**	0.326 g
Solvent:	30 ml	**Temperature:**	30.3 °C
Cultivar:	Mandarin Sunset	**Moisture:**	13.7%
Col Tests Remaining:	15	**CoA Revision:**	0
Batch:	PR001MS	**Calibration Exp:**	2026-09-12

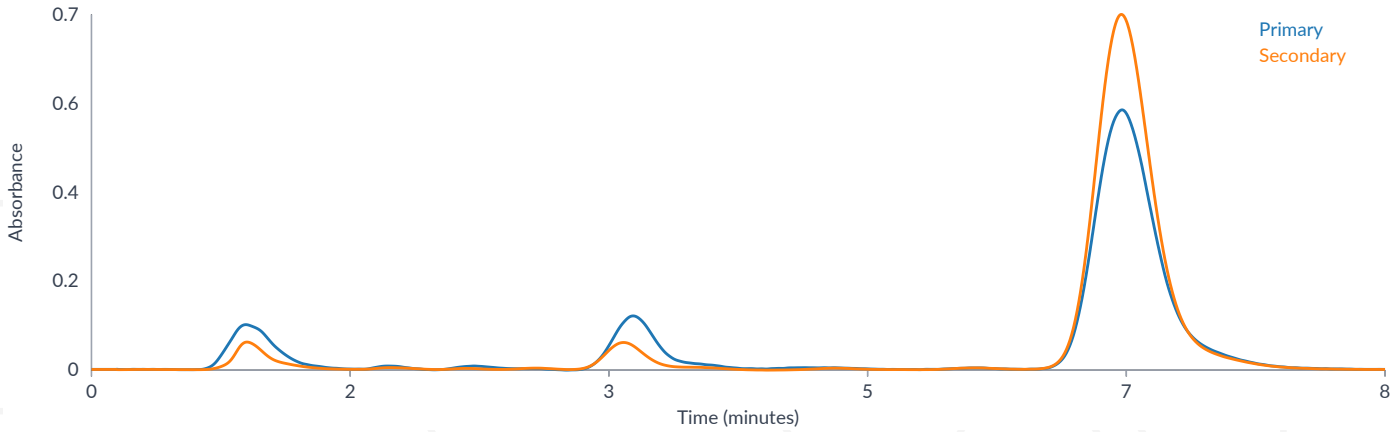
Notes:

ND = Not Detected; n/a = Not Analyzed; LOQ = Limit of Quantification; Total THC = (0.877 x THC-A) + Δ9-THC; Total CBD = (0.877 x CBD-A) + CBD. * Δ8THC has lower precision and higher detection limit than other cannabinoids.

Cannabinoid Profile

Analyte	Result (%)	LOQ
THC-A	30.5	0.53
Δ9-THC	ND	0.53
CBD-A	ND	0.53
CBD	ND	0.53
CBG-A	1.2	0.53
CBG	ND	0.53
CBN-A	ND	0.53
CBN	ND	0.53
CBC-A	1.1	0.53
CBC	ND	0.53
Δ8-THC*	ND	4.2
THCV-A	ND	0.53
THCV	ND	0.53
Terpenes	High	
Total THC	26.8	
Total CBD	ND	
Total Cannabinoids	32.8	

Chromatogram



Change History

Date	User	Action
2026-05-28 14:09:28 -04:00		Generated a CoA (revision 0)
2026-05-28 13:11:59 -04:00		Test Recorded

5/28/2026

Approved | Date | Scan for Authenticity

The signatory confirms that the Operator has performed the sample preparation according to the LightLab User's Guide. This report is for quality assurance purposes only. These results relate only to the sample included on this report. Orange Photonics makes no claims as to the efficacy, safety, or risks associated with any detected or non-detected level of any compounds reported herein. Orange Photonics makes no claims regarding the adherence to sample preparation guidelines, by the operator, as outlined in the LightLab User's Guide.