

CERTIFICATE OF ANALYSIS

Project: Industrial Hemp
Order ID: 2018000339

Customer ID: 65928260
Customer Name: Hempyre Genetics

Harvest/Extract Lot:
Harvest/Extract Date:

Cultivar (Strain): Cherry2
Sample Date: 11/12/2018

Lab ID: 2018000741
Date Received: 11/12/2018

Sample Matrix: Hemp
Date Completed: 11/17/2018

Analysis Date/Time: 11-15-2018 2307
Analyst: KWF

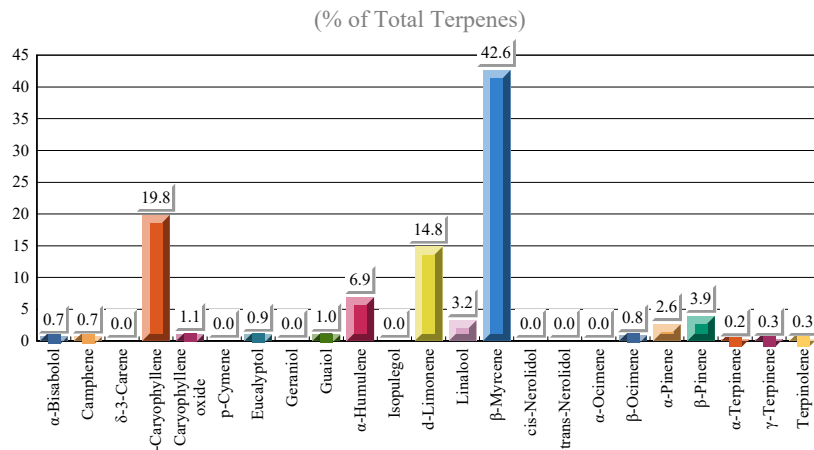
Method: HS/GC/MS (Internal Method-002)
Instrument: Agilent 7890/5975

Deviations from SOP:
 None

<u>Terpene</u>	<u>Result</u> ($\mu\text{g/g}$)	<u>Result</u> (%, total terpenes)
α -Bisabolol	98.6	0.658
Camphene	98.9	0.659
δ -3-Carene	-	-
β -Caryophyllene	2975	19.8
Caryophyllene oxide	159	1.06
p-Cymene	-	-
Eucalyptol	141	0.943
Geraniol	-	-
Guaiol	148	0.989
α -Humulene	1036	6.91
Isopulegol	-	-
d-Limonene	2221	14.8
Linalool	486	3.24
β -Myrcene	6394	42.6
cis-Nerolidol	-	-
trans-Nerolidol	-	-
α -Ocimene	-	-
β -Ocimene	127	0.846
α -Pinene	397	2.65
β -Pinene	591	3.94
α -Terpinene	33.5	0.224
γ -Terpinene	44.1	0.294
Terpinolene	46.2	0.308
TOTAL	14997	100



Terpenoid Distribution



Reporting Limit ($\mu\text{g/g}$)

6

Abbreviations: HS - Headspace, GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit

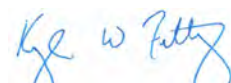
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Results are applicable only for the sample(s) analyzed and for the specific analysis conducted.

This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms.

The statements and results herein have not been approved and/or endorsed by the FDA.

"-" not detected above reporting limit


 Kyle W. Felling, Ph.D.
 Laboratory Director

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