

**CERTIFICATE OF ANALYSIS**

**Project:** Industrial Hemp  
**Order ID:** 2018000339

**Customer ID:** 65928260  
**Customer Name:** Hempyre Genetics

**Harvest/Extract Lot:**  
**Harvest/Extract Date:**

**Cultivar (Strain):** Cherry Wine  
**Sample Date:** 11/12/2018

**Lab ID:** 2018000742  
**Date Received:** 11/12/2018

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

**Analysis Date/Time:** 11-15-2018 2335  
**Analyst:** KWF

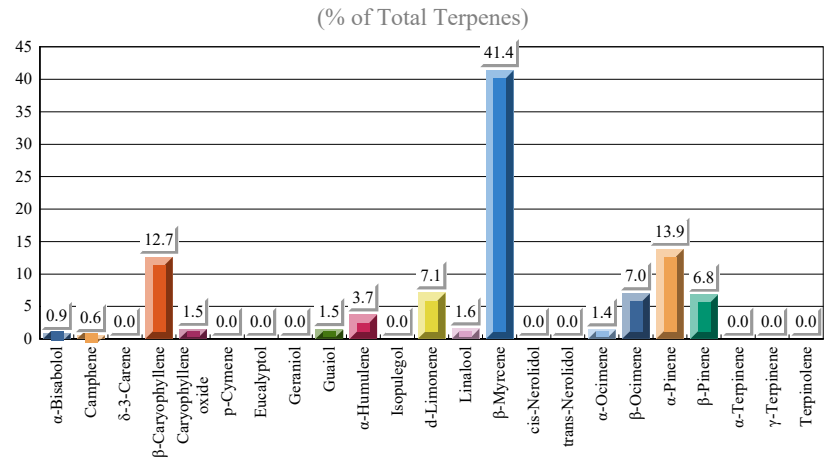
**Method:** HS/GC/MS (Internal Method-002)  
**Instrument:** Agilent 7890/5975

**Deviations from SOP:**  
None

<u>Terpene</u>	<u>Result</u> <u>(µg/g)</u>	<u>Result</u> <u>(%, total terpenes)</u>
α-Bisabolol	128	0.905
Camphene	77.9	0.550
δ-3-Carene	-	-
β-Caryophyllene	1791	12.7
Caryophyllene oxide	217	1.53
p-Cymene	-	-
Eucalyptol	-	-
Geraniol	-	-
Guaiol	207	1.46
α-Humulene	528	3.73
Isopulegol	-	-
d-Limonene	1008	7.12
Linalool	221	1.56
β-Myrcene	5855	41.4
cis-Nerolidol	-	-
trans-Nerolidol	-	-
α-Ocimene	203	1.43
β-Ocimene	989	6.99
α-Pinene	1966	13.9
β-Pinene	964	6.81
α-Terpinene	-	-
γ-Terpinene	-	-
Terpinolene	-	-
<b>TOTAL</b>	<b>14155</b>	<b>100</b>



**Terpenoid Distribution**



**Reporting Limit (µg/g)**

**8**

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

This information is provided as a service and makes no claims of efficacy and/or safety of this product.

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*  
Kyle W. Felling, Ph.D.  
Laboratory Director

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