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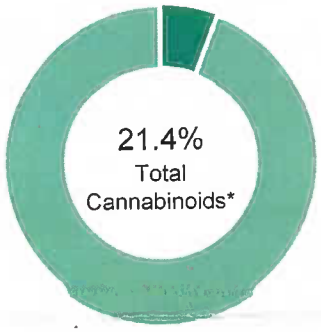
CERTIFICATE OF ANALYSIS

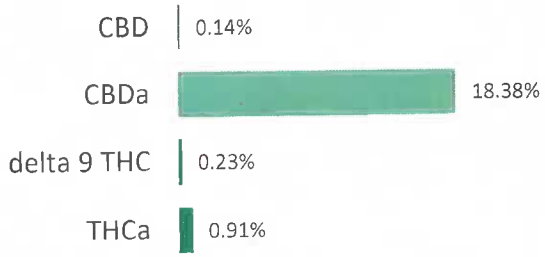
prepared for: Top Shelf Hemp CO
13712 Shorline CT E
Earth City, MO 63045

Kush E1

Batch ID:		**Test ID:**	T000099999
Reported:	2-Oct-2020	**Method:**	TM14
Type:	Plant		
Test:	Potency		

CANNABINOID PROFILE





% = % (w/w) = Percent (Weight of Analyte / Weight of Product)
* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.
Total THC = THC + (THCa *(0.877)) and
Total CBD = CBD + (CBDa *(0.877))
ND = None Detected (Defined by Dynamic Range of the method)

Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.04	0.23	2.3
Cannabidiolic acid (CBDA)	0.02	18.38	183.8
Cannabidiol (CBD)	0.04	0.14	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.13	ND	ND
Cannabinol (CBN)	0.06	ND	ND
Cannabigerolic acid (CBGA)	0.08	0.77	7.7
Cannabigerol (CBG)	0.04	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.08	ND	ND
Tetrahydrocannabivarin (THCV)	0.04	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	0.05	0.5
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.07	0.92	9.2
Cannabichromene (CBC)	0.08	ND	ND
Total Cannabinoids		**21.40**	**214.0**
Total Potential THC**		1.03	10.3
Total Potential CBD**		16.26	162.6

NOTES:
N/A

FINAL APPROVAL

Daniel Weidensaul
2-Oct-2020
4:08 PM
PREPARED BY / DATE

Scott Hansen
2-Oct-2020
5:04 PM
APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02

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