



Kind Roots
BOTANICALS, LLC

KIND ROOTS BOTANICALS, LLC IS A COLORADO BASED PROCESSING
AND REFINEMENT COMPANY FOCUSING ON NON-PSYCHOTROPIC
CANNABINOID AND MEDICINAL PLANT EXTRACTATIONS.

WE ARE COMMITTED TO PRODUCING THE FINEST CONCENTRATES AND
BOTANICAL OILS AVAILABLE.

CLEAN

All of our extracts are produced in our state-of-the-art laboratory and are
free of any residual solvents for the purest oil possible.

CONSISTENT

We use the right solvents to create targeted product sets that
are of consistent concentration and purity.

POTENT

With potency as high as 850MG/G, our concentrated, full-spectrum CBD oils have
4x the cannabidiol concentration of other sourced hemp products.

COMPANY OVERVIEW

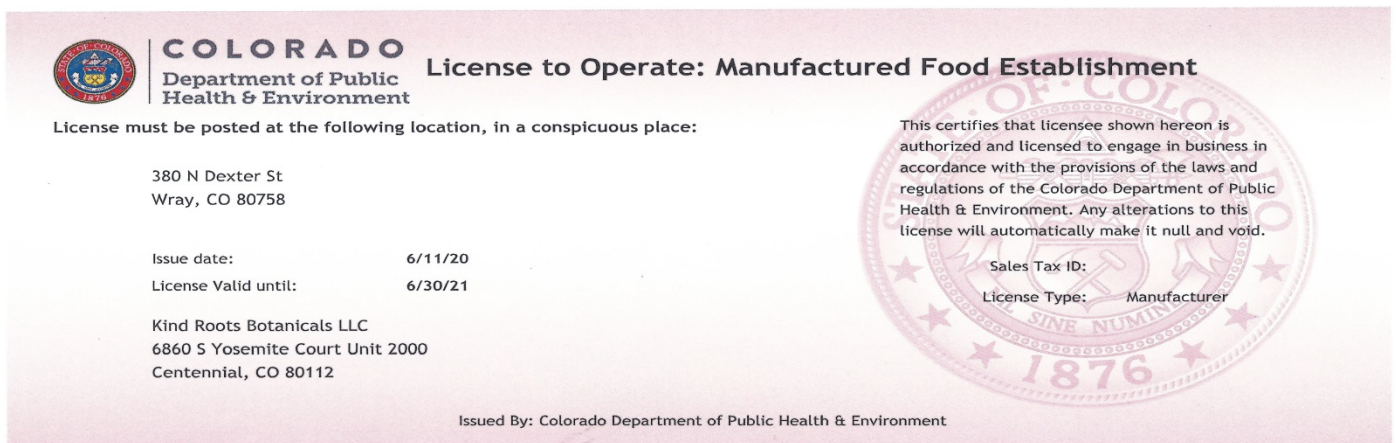
Kind Roots Botanicals is a "Vertically Integrated Leader in Hemp". We operate a 1,200 acre farm and own a CBD processing facility. We are licensed and certified in the State of Colorado with our focus on planting, cultivating, harvesting and processing CBD hemp flower. Our Extraction lab, Post Processing lab and Cleanroom are housed in our 30,000 sq. ft. facility in Wray, Colorado. We provide whole-plant, non-psychoactive cannabinoid processing of botanical material. In addition to processing botanical material from our farm, we provide processing services to our farming partners as well.

Wholesale CBD Products we offer:

- Whole Plant CBD Crude Oil (winterized and decarboxylated crude oil, 65 -75% CBD)
- Full Spectrum CBD Distillate (75-85% CBD)
- THC Free Full Spectrum CBD Distillate (75-85% CBD, 0% THC)
- Purified CBD Crystal Isolate (available in powdered or large slab crystal form, 98-99.9% CBD)

Our Government Certifications and Registrations:

- **FDA** , Food Facility Registration Number: **12039260000**
- **FDA**, National Drug Code (NDC): **78274-801-01**
- Colorado Department of Public Health & Environment License to Operate:



Kind Roots Botanicals has a staff of trained experts capable of producing pure, consistent and potent whole-plant extractions with no residual solvents. We also work with leading chemists, engineers and scientists, utilizing advanced distillation procedures using green solvents while continually striving to advance the state of cannabinoid processing and terpene isolation for the industry. We created a custom "**Inventory Management Software Program**" that allows our wholesale buyers access to our daily run rates, test results, QC documents and our facility certifications.

We are currently undergoing extensive **cGMP** and **ISO 9001** audits to ensure our clients are receiving the highest quality products they deserve. **Certification timeline is October 2020**. KRB has developed over 400 standard operating procedures (SOP's) that manage every step in our processing facility and our farming practices.

In addition to the above certifications, Kind Roots Botanicals is in the process of achieving the following certifications:

- **USDA organic certification**
- **Kosher certification**
- **Vegan certification**

Exterior picture of our 30,000 sq. ft. Extraction Facility in Wray, CO:



Picture of our C1D1 Formulations Lab.



Pictures of our C1D1 Extraction Lab.



Picture of our C1D1 Distillation Lab.



Exterior picture of our Labs.



Picture of environmentally controlled biomass storage area.



Picture of our farm in the distance and our 2019 crop.



Picture of our "Full Spectrum Distillate" and associated COA.



Certificate of Analysis

Powered by Confident Cannabis
1 of 1

Kind Roots Botanicals, LLC

6860 S Yosemite Crt
Centennial, CO 80112
ross@rosswking.com
(303) 548-4300

Sample: 2002NBL0444.1085

Strain: KRB020320 - INT - D

Sample Received: 02/18/2020; Report Created: 02/19/2020; Expires: 02/19/2021

KRB020320 - INT - D

Concentrates & Extracts, Distillate



2.678%

Total THC

2.678%

Δ9 THC

87.001%

Total Cannabinoids

76.934%

Total CBD

Cannabinoids

(Method of Analysis: HPLC)

Analyst: David Ide; Date Tested: 02/18/2020

Complete

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.100	ND	ND
Δ9-THC	0.100	2.678	26.78
Δ8-THC	0.100	0.481	4.81
THCV	0.100	ND	ND
CBDa	0.100	0.473	4.73
CBD	0.100	76.519	765.19
CBDV	0.100	<LOQ	<LOQ
CBNa	0.100	5.906	59.06
CBN	0.100	<LOQ	<LOQ
CBGa	0.100	ND	ND
CBG	0.100	0.944	9.44
CBCa	0.100	ND	ND
CBC	0.100	ND	ND
Total		87.001	870.01

Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; LOQ = Limit of Quantitation; ND = Not Detected.



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WHAT YOU SHOULD KNOW

There are pros and cons to each extraction process technique in use today. Kind Roots Botanicals offers botanical extraction services focusing on organic alcohol as the primary solvent.

All solvent-based extracts performed in Kind Roots Botanicals must possess at least 85.9% total cannabinoids.

Additionally, all of the products produced are required to undergo a residual solvent test for purity control.

Kind Roots Botanicals regularly achieves less than 400ppm when using organic ethanol solvents in our crude oil extractions. We perform residual solvent tests as part of our standard operating procedures, aligning with our mantra of “use the right solvent for the right purpose” and “Clean, Consistent, Potent”.

PROCESSING CAPABILITIES

ORGANIC ALCOHOL EXTRACTION:

Organic Alcohol has been shown to be one of the most effective cannabinoid solvents that can produce an efficient extraction, while retaining high terpene content. Alcohol is also a polar solvent vs. the non-polar nature of hydrocarbons and CO₂ and as such can also extract non-target materials from the material - such as chlorophyll. We execute several post processing purification procedures to mitigate this if desired for the final product.

KRB is capable of processing approximately 4,000lbs per 24-hour shift with our alcohol extraction system.

KRB offers the following processing services to their farming partners:

Toll processing: Our farming partner(s) contracts with KRB to process their material into a Whole plant (winterized with decarboxylation) Crude oil for a set processing fee based on the number of pounds of material being processed. We are capable of toll processing 4,000lbs per day.

Farming partner is required to ship their biomass to our facility, where it is weighed and logged into our proprietary inventory management control system.

INVENTORY CONTROL AND OPERATIONAL MANAGEMENT SOFTWARE

At Kind Roots Botanicals we created a custom software program that provides real-time inventory tracking and operational management.

Summary of the Inventory Control process:

1. Crop (Biomass) is shipped from either our farm or an external farming partner to our extraction facility.
2. Biomass arrives at our facility it is weighed, and added into our Inventory Control Tracking System, issued a batch number and a barcode to track each step of the process.

Biomass In

Service *	External x ▾
External Farm Service	Toll Service x ▾
Product In *	Biomass ETS ▾
Batch Number *	EXT1031-1
In Weight *	20000
Date received *	31-Oct-2019 📅

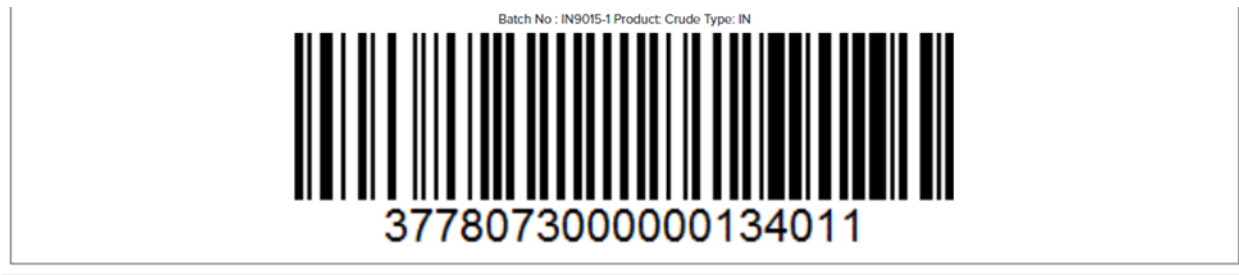
External Toll Service Charges

Requested Oil Type	Crude ETS x ▾
Crude Toll fee charged Per	20.00 \$
Total Crude Toll Fee Amount	400000.00 \$
Storage Fees / Month	##### \$
Storage Months	
Total Storage Fees	0.00 \$
Comment	

Submit





Reset

Example of a barcode for "Crude Oil IN"



3. When Biomass is moved from the storage area into our processing lab to begin processing into crude oil, the biomass is transferred in Inventory from biomass storage to a crude oil inventory being processed.

Biomass Out

Barcode No#	<input type="text"/>
Batch Number	<input type="text" value="-Select-"/>
Product Name *	<input type="text" value="-Select-"/>
In Weight *	<input type="text" value="0"/>
Available (In- Out)	<input type="text"/>
Out Weight *	<input type="text" value="0"/>
Comment	<input type="text"/>
Test Result (PDF)	<input type="text" value="Select File"/> 
Status *	<input type="text" value="Proceed Next Process"/>  
<input type="checkbox"/> Close Batch	
Supervisors Name	<input type="text" value="Ross"/>
Time Stamp	<input type="text" value="31-Oct-2019 16:26:16"/> 

Submit

Reset

4. Once the biomass has been processed, the product(s) are moved into our vault, categorized in the Inventory Tracking System by product type and per individual Batch number (Crude, Distillate or Isolate). It is also separated between Internal and External Batches.

Example only of our Inventory Tracking System:

Batch No	Biomass			Crude OIL			Distile OIL			Isolate OIL		
	IN Wgt	Out Wgt	Bal	IN Wgt	Out Wgt	Bal	IN Wgt	Out Wgt	Bal	IN Wgt	Out Wgt	Bal
IN9024-1	300.00	0.0	300.00		0.0			0.0			0.0	
IN9019-1	398.00	0.0	398.00		0.0			0.0			0.0	
IN9018-1	300.00	0.0	300.00		0.0			0.0			0.0	
IN9015-1	500000.00	40000.0	460000.00	10000.00	10000.0	0.00		0.0			0.0	
EXT0910-1		0.0			0.0			0.0			0.0	
EXR0910-1		0.0			0.0			0.0			0.0	
EXR0910-2		0.0			0.0			0.0			0.0	
EXR0910-3		0.0			0.0			0.0			0.0	
EXR0830-1	1000.00	0.0	100.00		0.0			0.0			0.0	
EXR0830-2	5000.00	0.0	2000.00		0.0			0.0			0.0	
Total	506998.00	40000.0	463098.00	10000.00	10000.0	0.00	0	0.0	0	0	0.0	0

Our "OPERATIONS MANAGEMENT SYSTEM" contains the following electronic documents and all revisions.

1. **STANDARD OPERATING PROCEDURES (SOP'S):**

- SOP's uploaded by category and the system tracks all SOP documents.
- Drop down bar available when searching for specific SOP's.
- SOP's has time, date stamp and E-DocuSign capabilities.

2. **QUALITY CONTROL DOCUMENTS:**

- QC system uploads and tracks all QC documents.
- Drop down bar is available to search for specific QC documents.
- QC has time, date stamp and E-DocuSign capabilities.

3. **TRAINING DOCUMENTS AND VIDEO'S:**

- Uploads all electronic training documents and videos into our system.
- Training documents and videos have a drop down bar to locate specific training documents.
- Training documents have a DocuSign, time and date stamp for technicians to sign upon completion.

4. **BIOMASS AND PRODUCT(S) TEST RESULTS:**

- All product test results are available and connected to each Batch number via our inventory tracking system.
- All of our Department of Agriculture Registration documents are available to our Customers and Farming partners.
- All field testing results are available and connected to each Biomass batch number.
- All soil sample results are available and connected to each Biomass batch number.

KIND ROOTS BOTANICALS, LLC

Processing facility address: 380 North Dexter Street, Wray, CO 80758

Corporate address: 6860 South Yosemite Court, Suite 2000 Centennial, CO 80112

Phone: 303-548-4300 Email: Ross@kindrootsllc.com

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