



BULK INGREDIENTS



**PREMIUM HEMP-DERIVED
CANNABINOIDS.**

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BULK INGREDIENTS

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CBD ISOLATE

PURITY
99%+ CBD
<0.1% THC

It's pure. It's white. It's stable and predictable. It's everything a premium hemp-derived cannabinoid ingredient should be. Exactly what you'd expect from a trusted industry-founding pioneer.

Ingredient specifications exceed international standards. Build your product lineup with confidence, knowing that you are purchasing the highest quality CBD isolate available anywhere, every time.

SPECIFICATIONS

APPEARANCE	CONSISTENCY	FLAVOR	ODOR
White crystalline powder	Fine powdered crystal	Neutral to slightly bitter	Odorless to slightly terpenoid
SOLUBILITY	DERIVED FROM	COMPOSITION	SHELF LIFE
Oil-soluble	Stalk, stem and flower	100% hemp-derived, non-synthetic	24 months

COMPLIANCE

- ✓ United States: self-affirmation of GRAS complete mid-year 2021
- ✓ Australia: TG093 compliant
- ✓ Produced in cGMP facilities
- ✓ Validated using trusted third-party accredited laboratories

APPLICATIONS

CBD is an excellent active ingredient to be included in just about any product formula. CBD isolate is a great foundational ingredient for formulated goods, including:

- Topicals and cosmetics
- Oils
- Vapes
- Fruit chews and gummies
- Pet treats
- Oil-soluble applications

For applications that require water-solubility, like beverages or shots, check out our liquid and powder water-soluble cannabinoids.

UK-COMPLIANT CBD ISOLATE

PURITY
99%+ CBD
<0.01% THC

It's pure. It's white. It's stable and predictable. It's everything a premium hemp-derived cannabinoid ingredient should be. Exactly what you'd expect from a trusted industry-founding pioneer.

Ingredient specifications exceed UK regulations at less than 0.01% THC. Build your product lineup with confidence, knowing that you are purchasing the highest quality UK CBD isolate available anywhere, every time.

SPECIFICATIONS

APPEARANCE	CONSISTENCY	FLAVOR	ODOR
White crystalline powder	Fine powdered crystal	Neutral to slightly bitter	Odorless to slightly terpenoid
SOLUBILITY	DERIVED FROM	COMPOSITION	SHELF LIFE
Oil-soluble	Stalk, stem and flower	100% hemp-derived, non-synthetic	24 months

COMPLIANCE

- ✓ United States: self-affirmation of GRAS, complete mid-year 2021
- ✓ United Kingdom: Novel Foods compliance in process
- ✓ European Union: Novel Foods compliance in process
- ✓ Australia: TG093 compliant
- ✓ Produced in cGMP facilities
- ✓ Validated using trusted third-party accredited laboratories

APPLICATIONS

UK CBD is an excellent active ingredient to be included in just about any product formula. CBD isolate is a great foundational ingredient for formulated goods, including:

- Topicals and cosmetics
- Oils
- Vapes
- Fruit Chews and gummies
- Pet treats
- Oil-soluble applications

For applications that require water-solubility, like beverages or shots, check out our liquid and powder water-soluble cannabinoids.

CBG ISOLATE

PURITY
99%+ CBG
<0.1% THC

CBG isolate has become much more accessible and affordable. And as a differentiating ingredient, it's an ideal addition to CBD isolate, full-spectrum and broad-spectrum formulas. Rapidly growing in popularity, now is the time to add CBG as a value-added companion cannabinoid into oil drops, fruit chews, gummies and topicals — to give your brand that competitive edge!

Minimum 99% purity. Ingredient specifications exceed international standards. Build your product lineup with confidence, knowing that you are purchasing the highest quality CBG isolate available anywhere, every time.

SPECIFICATIONS

APPEARANCE	CONSISTENCY	FLAVOR	ODOR
White crystalline powder	Fine powdered crystal	Neutral to slightly bitter	Odorless to slightly terpenoid
SOLUBILITY	DERIVED FROM	COMPOSITION	SHELF LIFE
Oil-soluble	Stalk, stem and flower	100% hemp-derived, non-synthetic	12 months

COMPLIANCE

- ✓ United Kingdom: Novel Foods compliance in process
- ✓ European Union: Novel Foods compliance in process
- ✓ Produced in cGMP facilities
- ✓ Validated using trusted third-party accredited laboratories

APPLICATIONS

CBG isolate is an excellent active ingredient to be included in just about any product formula. CBG isolate is a great foundational ingredient for formulated goods, such as:

- Topicals and cosmetics
- Oils
- Vapes
- Fruit chews and gummies
- Pet treats

For applications that require water-solubility, like beverages or shots, check out our liquid and powder water-soluble cannabinoids.

CBG alone, or in custom blends, can be transformed into a soluble liquid or powder format. Reach out to us for your solution!

CBN ISOLATE

PURITY
95%+ CBN
<0.1% THC

CBN isolate is a derivative of delta-9-THC, which is formed after exposure to heat or UV light. It is mildly sedative. It is a popular companion cannabinoid ingredient for substantiated incorporation into calm or sleep formulas with melatonin and other clinically-proven ingredients.

Minimum 95% purity. Ingredient specifications exceed applicable international standards. Build your product lineup with confidence, knowing that the highest quality CBN isolate is always available at GenCanna.

SPECIFICATIONS

APPEARANCE	CONSISTENCY	FLAVOR	ODOR
White to pale yellow	Fine powdered crystal	Slightly bitter, earthy	Odorless to slightly terpenoid
SOLUBILITY	DERIVED FROM	COMPOSITION	SHELF LIFE
Oil-soluble	Stalk, stem and flower	100% hemp-derived, non-synthetic	12 months

COMPLIANCE

- ✓ Produced in cGMP facilities
- ✓ Validated using trusted third-party accredited laboratories

APPLICATIONS

CBN isolate is a great foundational ingredient for formulated goods, including:

- Topicals and cosmetics
- Oils
- Vapes
- Fruit chews and gummies
- Pet treats
- Calm or sleep formulas when paired with substantiated actives

For applications that require water-solubility, like beverages or shots, check out our liquid and powder water-soluble cannabinoids.

CBC ISOLATE

PURITY
95%+ CBC
<0.1% THC

CBC isolate is produced in substantial amounts by unique hemp genetics and is subsequently separated from refined extracts using chromatography. Generally speaking, CBC has been unreliable in quality and availability... until now! GenCanna has cracked the code.

Minimum 95% purity. Ingredient specifications exceed applicable international standards, every time, all the time.

SPECIFICATIONS

APPEARANCE	CONSISTENCY	FLAVOR	ODOR
Yellow to amber-colored oil	Viscous oil	Slightly bitter, earthy, terpenoid	Neutral to slightly terpenoid
SOLUBILITY	DERIVED FROM	COMPOSITION	SHELF LIFE
Oil-soluble	Stalk, stem and flower	100% hemp-derived, non-synthetic	12 months

COMPLIANCE

- ✓ Produced in cGMP facilities
- ✓ Validated using trusted third-party accredited laboratories

APPLICATIONS

CBC is an excellent ingredient to be included into nearly any oil-soluble product formula in minor amounts. It can be used alongside CBD isolate and CBG isolate to form a unique profile in finished goods, broad-spectrum and full-spectrum distillates. CBC isolate is an excellent differentiating ingredient for formulated goods, including:

- Topicals and cosmetics
- Oils
- Vapes
- Fruit chews and gummies
- Pet treats
- Oil-soluble applications

For applications that require water-solubility, like beverages or shots, check out our liquid and powder water-soluble cannabinoids.

WATER-SOLUBLE POWDER

CBD SPEC
20% CBD
200 mg/g

GenCanna water-soluble powders are offered at a standardized 20% CBD load (200 mg/g). This allows for versatile use across many form factors.

As shown in the accompanying graph, this product format is more bioavailable than cannabinoids are on their own, which allows for broad use in liquid and powder formulations — from shots and beverages to food, supplements and pet applications.

SPECIFICATIONS

APPEARANCE	CONSISTENCY	FLAVOR	ODOR
Fine, free-flowing, white powder	Fine powder	Neutral to slightly bitter; flavor profile can be easily optimized in finished beverages, shots, foodstuffs	Neutral to faint terpenoid
SOLUBILITY	DERIVED FROM	COMPOSITION	SHELF LIFE
Water-soluble	Pure isolates or refined hemp distillates derived from whole hemp plants	20% active cannabinoid load; all natural, clean-label carriers and non-synthetic emulsifiers	24 months

COMPLIANCE

- ✓ United Kingdom: Novel Foods compliance in process
- ✓ European Union: Novel Foods compliance in process
- ✓ Produced in cGMP facilities
- ✓ Validated using trusted third-party accredited laboratories

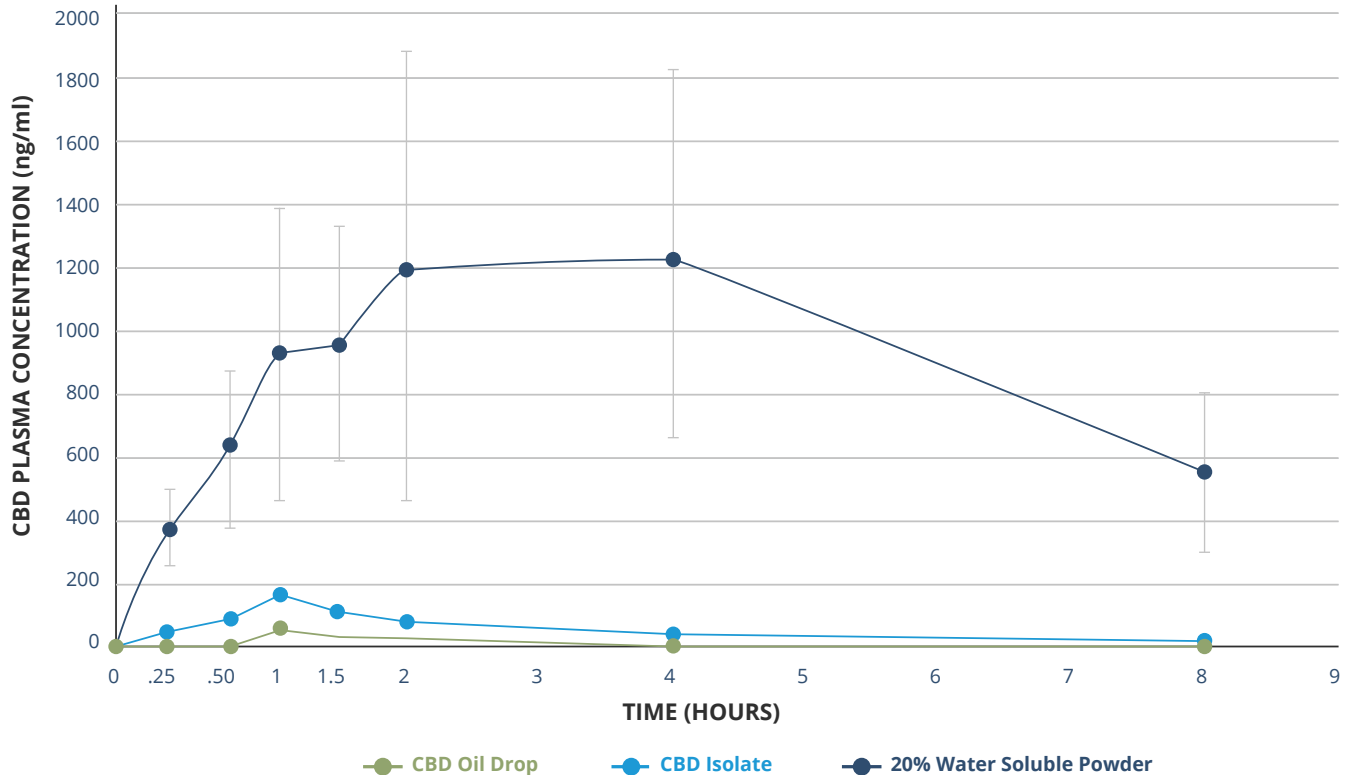
CUSTOMIZE IT! GenCanna can custom-blend isolates to create unique water-soluble powders to be used in beverages, shots, supplements or next-generation products.	BY LOAD	BY CANNABINOID PROFILE
	A range of 5-20% active cannabinoid profile presents a world of possibilities	<ul style="list-style-type: none"> • Full-spectrum • Broad-spectrum • Isolate blends/spikes: → Think CBC and CBG

WATER-SOLUBLE POWDER

APPLICATIONS

- Water-soluble powder is ideal for ready-to-drink mixes, stick packs, bulk powder tubs, shots, foods, beverages and supplements
- Each application is very different: The stability and performance of the cannabinoid ingredients are highly dependent on the other ingredients in the product. Factors like pH, sugar content, manufacturing conditions and container type and size can all play a major role in flavor and stability
- Our product development team will collaborate with you to develop products that both perform as anticipated and meet regulatory requirements, generating impressive revenue and profitability for your business
- Give us a call to discuss your product ideas and target application specifics!

WATER-SOLUBLE POWDER HAS DEMONSTRABLY BETTER BIOAVAILABILITY.



Plasma pharmacokinetic (PK) study in rats following single oral administration of three (3) cannabidiol formulae

FORMULATOR'S CHOICE RESERVE OIL —

CBD SPEC
25% CBD
236 mg/mL

GenCanna Formulator's Choice Reserve Oils are an excellent product for your conventional food and dietary supplement formulation needs. GenCanna has taken the first step in formulation for you by combining high-quality cannabinoid ingredients with the finest carrier oils at a standardized concentration, lending ease of use by substituting the Reserve Oil for commonly used vegetable oils in recipes. Now it's up to you to do what you do best — create, formulate and validate your recipe, and get that product to market!

SPECIFICATIONS

APPEARANCE	CONSISTENCY	FLAVOR	ODOR
Amber to clear-yellow oil depending on formulation; As shown on the accompanying graph	Free-flowing oily liquid	Formulation-dependent; reference infographic	Formulation dependent; As shown on the accompanying graph
SOLUBILITY	DERIVED FROM	COMPOSITION	SHELF LIFE
Oil-soluble and able to be incorporated or substituted into just about any food, chocolate or pet treat recipe	Stalk, stem and flower	25% active cannabinoid ingredient by mass; 75% natural and responsibly sourced carrier oil	24 months

COMPLIANCE

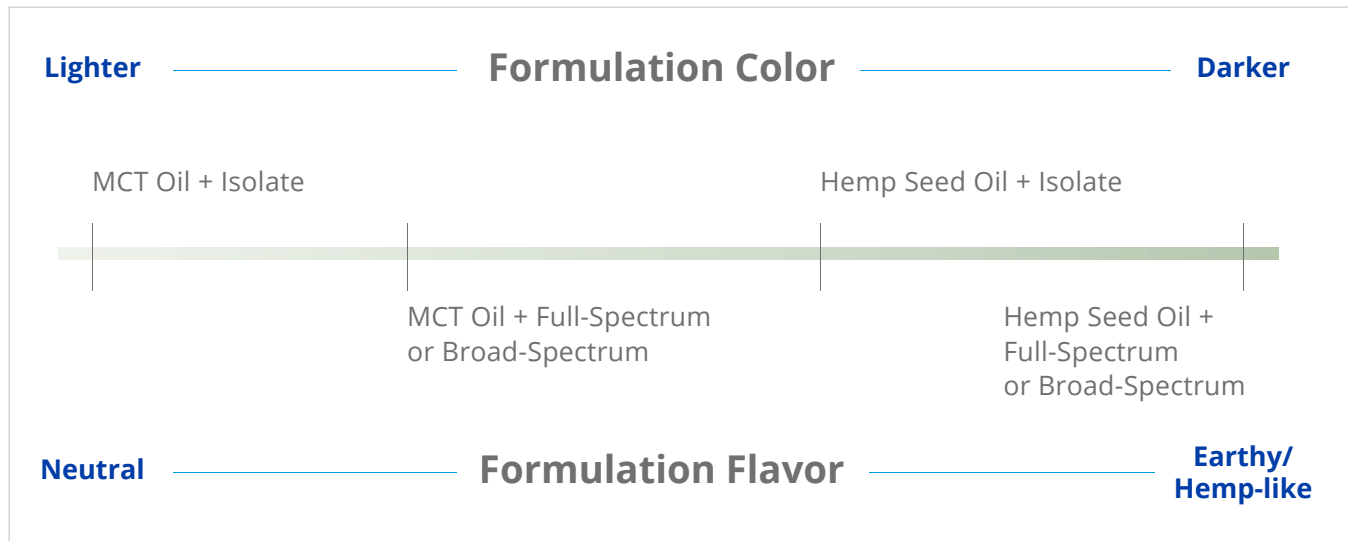
- ✓ United Kingdom: Novel Foods compliance in process
- ✓ European Union: Novel Foods compliance in process
- ✓ Produced in cGMP facilities
- ✓ Validated using trusted third-party accredited laboratories



FORMULATOR'S CHOICE RESERVE OIL —

STANDARD The following specifications are GenCanna's Standard Reserve Oils.	CANNABINOID PROFILE	CONCENTRATION
	<ul style="list-style-type: none"> • CBD isolate • Full-spectrum • Broad-spectrum 	25% CBD (~236 mg/mL)
		CARRIER OIL
	<ul style="list-style-type: none"> • MCT oil • Hemp seed oil 	

COLOR AND FLAVOR SPECS VISUALIZED



APPLICATIONS

Great stock formulation for blending into:

- Topicals
- Pet treats
- Vapes
- Food applications as a substitute for vegetable oils in recipes

Customize it! Certain applications may require a different concentration or carrier oil. Call us! Let's find your solution together!



BROAD-SPECTRUM DISTILLATES

PURITY
76-94% CBD
THC: PRODUCT SPECIFIC

GenCanna’s broad-spectrum distillates contain considerable levels of cannabinoids and specified THC levels, prepared through either chromatographic separation, and/or distillation depending on the product specifications.

Clarity in this ingredient’s THC specification is extremely important. The marketplace is littered with mislabeled THC-containing distillates and broad-spectrum products, leaving your company open to undue risk from a regulatory and consumer perspective. Our distillate specifications are well defined — we do not hide THC or CBN levels behind poor analytics or sleight of hand.

SPECIFICATIONS

APPEARANCE	CONSISTENCY	FLAVOR	ODOR
Medium-to-dark amber	Viscous oily liquid; can recrystallize at room temperature	Bitter, terpenoid, earthy	Hemp, earthy, terpenoid
SOLUBILITY	DERIVED FROM	COMPOSITION	SHELF LIFE
Oil-soluble	Stalk, stem and flower	100% hemp-derived, non-synthetic	24 months

COMPLIANCE

- ✓ Produced in cGMP facilities
- ✓ Validated using trusted third-party accredited laboratories

APPLICATIONS

GenCanna broad-spectrum distillates provide a bouquet of cannabinoids, less the THC, and are perfect for:

- Soft gels
- Fruit chews and gummies
- Topicals
- Vape
- Formulated oil drops
- Oil-soluble applications

Customize It! Certain formulations and finished goods may require customization of profile or potency. Call us! Let's find your solution together!



BROAD-SPECTRUM DISTILLATES

DISTILLATE TYPES

Multiple distillate types ensure your ability to invent, infuse and be compliant, regardless of application type or geography. To incorporate these distillates into finished goods, give us a call to explore our flexible white and private label programs.

Broad-Spectrum Tier 1

This is your basic, “go-to” broad-spectrum distillate solution for direct use or incorporation into finished goods. This distillate is an excellent ingredient for a more natural brand ethos, without true full-spectrum THC levels. THC: <0.1%.

Broad-Spectrum Tier 2

This distillate was specifically created to ensure that minor cannabinoids are less likely to be washed out in a finished goods application — an excellent solution to the problem of dilution!

Our expert product development team will collaborate with you to ensure that your finished product specifications are well-defined. In the case that a custom distillate solution is required, GenCanna is the industry leader in developing product differentiation through unique formulation. THC: <0.1%.

UK-Compliant Broad-Spectrum Distillate

GenCanna’s UK broad-spectrum distillate meets Novel Foods requirements and regulatory mandated UK THC limits at <0.01%.



FULL-SPECTRUM DISTILLATES

PURITY

68-84% CBD

0.2% THC

Full-spectrum distillate boasts a full lineup of cannabinoids, including delta-9-THC at 0.2%, which leaves enough room for compliance, yet is high enough for effect. We carefully tailored this specification to be excellent on its own. Finished products formulated with this distillate will benefit from a robust, full-spectrum cannabinoid profile.

SPECIFICATIONS

APPEARANCE	CONSISTENCY	FLAVOR	ODOR
Medium-to-dark amber	Viscous oily liquid; can recrystallize at room temperature	Bitter, terpenoid, earthy	Neutral to slightly terpenoid
SOLUBILITY	DERIVED FROM	COMPOSITION	SHELF LIFE
Oil-soluble	Stalk, stem and flower	100% hemp-derived, non-synthetic	24 months

COMPLIANCE

- ✓ Produced in cGMP facilities
- ✓ Validated using trusted third-party accredited laboratories

APPLICATIONS

GenCanna full-spectrum distillates pack a full punch of cannabinoids for use in:

- Soft gels
- Fruit chews and gummies
- Topicals
- Vape
- Formulated oil drops
- Oil-soluble applications