

WONDERLAND LABS

Heavy Metals Analysis

11 JULY 2022

FYE

Product #	Lot #	Metals	Spec	Results
Green	04-25	Arsenic	< 10,000 ppb	173 ppb
		Cadmium	< 4,100 ppb	21 ppb
		Lead	< 900 ppb**	497 ppb**
		Mercury*	< 300 ppb	21 ppb

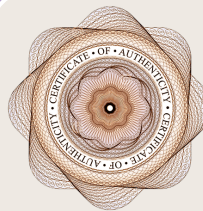
Product #	Lot #	Metals	Results	Results
Red	04-25	Arsenic	< 10,000 ppb	196 ppb
		Cadmium	< 4,100 ppb	19 ppb
		Lead	< 900 ppb**	470 ppb**
		Mercury*	< 300 ppb	24 ppb

Product #	Lot #	Metals	Results	Results
White	04-25	Arsenic	< 10,000 ppb	254 ppb
		Cadmium	< 4,100 ppb	25 ppb
		Lead	< 900 ppb**	438 ppb**
		Mercury*	< 300 ppb	20 ppb

Sample Set: 136120

Heavy Metals (USA): PASS

Heavy Metals (CA): PASS



SEAL OF AUTHENTICITY

VERIFIED BY: *[Signature]*

Quality Assurance: *[Signature]*



Heavy Metals Analysis

REVISION 999-1111

INFORMATIONAL RESULTS KEY

United States Pharmacopeia (USP) Limit for Nutritional Supplements:

- Arsenic 3.000 ppm / 3000.000 ppb
- Cadmium 3.000 ppm / 3000.000 ppb
- Lead 10.000 ppm / 10000.000 ppb
- Mercury 3.000 ppm / 3000.000 ppb

California Proposition 65 Daily Limits for Heavy Metals:

- Arsenic 10 ppm / 10,000.000 ppb
- Cadmium 4.1 ppm / 4,100.000 ppb
- Lead 0.5 ppm / 500.000 ppb**
- Methyl Mercury 0.3 ppm / 300.000 ppb

For labels with a single daily dose of 500mg, the PPM in products cannot be higher than:

- Arsenic = 20.000 ppm / 20,000.000 ppb
- Cadmium = 8.000 ppm / 8,000.000 ppb
- Lead = 0.900 ppm / 900.000 ppb
- Mercury = 0.600 ppm / 600.000 ppb

FDA Tolerable Daily Diet Lead intake:

- Children <6 years old = 6.000 ppm / 6000.000 ppb
- Pregnant women = 25.000 ppm / 25000.000 ppb
- Adults = 75.000 ppm / 75000.000 ppb

* Methyl mercury is included in total Mercury. Method AOAC 993.14 is equivalent to method ICP-MS USP <730>.

** California's Proposition 65 set up overly restrictive limits for many materials in relation to lead. There are many plants that have higher levels of lead than is acceptable in the State of California. One example is *Mitragyna speciosa*, which naturally has lead levels above 500 ppb.

This restriction will technically cause a FAIL for any material above 500 ppb in the State of California, which is why we have separated out that state from all the others in the USA.

If your CA result comes back as a "HI-LEAD", you may be required to place notices on your material, or it may be a material that cannot technically be sold for consumption in the state of California.