Heavy Metals Analysis

25 JANUARY 2024

MOON BOTANICALS

Product ID	Lot #	Metals	Spec	Results
Sample 3		Arsenic	< 10,000 ppb	< 10,000 ppb
		Cadmium	< 4,100 ppb	< 4,100 ppb
		Lead*	< 900 ppb	< 900 ppb
		Mercury**	< 300 ppb	< 300 ppb

*** California's Proposition 65 set up overly restrictive limits for many natural plant materials in relation to lead. 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.**

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

***** According to the USP, the safe Tolerable Upper Intake Level of Nickel for adults is 1.0mg/day, rounded down. This equates to 1,000 ppb for any consumable material.**

****** According to the US EPA health advisory, acceptable levels of Manganese in adults is 0.3 mg/l to 1.0mg/l**

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 / 4,1000.000 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

Sample Set: 172970

Heavy Metals (USA): PASS

SEAL OF AUTHENTICITY

VERIFIED BY:

Quality Assurance: