

Maine Adult Use Testing & Contaminants

Adult use cannabis in Maine undergoes mandatory testing for:

- Filth and foreign materials
- Dangerous molds and mildews
- Harmful microbes
- THC potency, homogeneity, and cannabinoid profiles
- Water activity
- Heavy metals
- Residual solvents
- Pesticides

Analytes that most commonly fail testing:

- Yeast and mold
- Heavy metals (usually arsenic)
- Pesticides (mostly Bifenthrin and Piperonyl Butoxide)
- THC potency (per package and per serving)



Maine Medical Testing & Contaminants

- Medical cannabis in Maine is **not** subjected to mandatory testing.
- OCP recently tested 127 medical cannabis samples.
 - 57 samples failed for at least one analyte
 - Overall fail rate: 45%
- Analytes that most commonly failed testing:
 - Yeast and mold
 - Pesticides
 - Harmful microbes





WHAT'S IN YOUR CANNABIS?

Cannabis, in its natural form, is inherently safe for most patients and consumers but it is especially susceptible to contaminants during cultivation, manufacturing, handling & even storing.

Whether you are purchasing cannabis from regulated, grey, or illicit markets or cultivating your own cannabis, you should be aware of the contaminants commonly found in cannabis & the symptoms that accompany their presence.



WHERE DO CANNABIS CONTAMINANTS COME FROM?

CULTIVATION & PROCESSING	MANUFACTURING	STORAGE
PESTICIDES MOLD, MILDEW, FUNGUS & YEASTS HEAVY METALS BACTERIA, VIRUSES & PARASITES FOREIGN MATTER	ADDITIVES & ADULTERANTS FOREIGN MATTER RESIDUAL SOLVENTS	MOLD, MILDEW, FUNGUS & YEASTS HEAVY METALS BACTERIA, VIRUSES & PARASITES

PESTICIDES

Chemicals applied to crops to eradicate pests, including bugs, weeds, fungi, & rodents



HEALTH IMPACTS



CARCINOGENIC



ENDOCRINE
DISRUPTION



REPRODUCTION
& DEVELOPMENT



NEUROLOGICAL
DISTURBANCES

Symptoms more severe in children, elderly, & individuals with compromised immune systems.

CONTAMINANTS FROM MANUFACTURING

RESIDUAL SOLVENTS

Solvents like ethanol, propane & butane may be leftover from the cannabis extraction process.



HEALTH IMPACTS

PROPANE



DIZZINESS



RAPID
HEARTBEAT



HEADACHE

ETHANOL



DEATH



COMA

BUTANE



SEVERE
BRAIN
DAMAGE



CARDIAC SYSTEM



FETAL
ABNORMALITIES



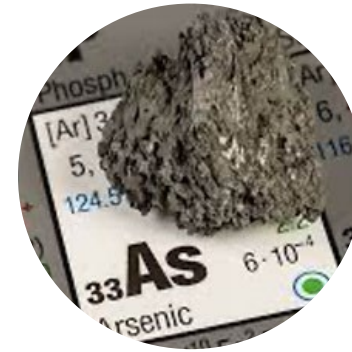
CENTRAL
NERVOUS
SYSTEM (CNS)

Symptoms more severe in children, elderly, & individuals with compromised immune systems.

CONTAMINANTS FROM CULTIVATION & STORAGE

HEAVY METALS

Metals like lead, cadmium, arsenic, & mercury are highly toxic & may be present in soil or water.



HEALTH IMPACTS



LEARNING
DISABILITIES



LOWER
INTELLIGENCE



REDUCED
BRAIN
DEVELOPMENT



APOPTOSIS
(CELL DEATH)



CARCINOGENESIS



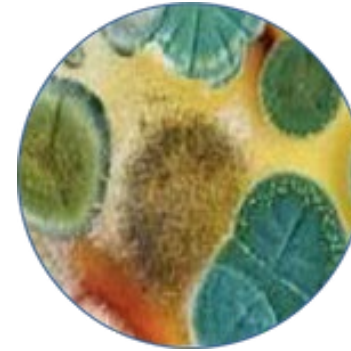
CELL CYCLE
MODULATION

Symptoms more severe in children, elderly, & individuals with compromised immune systems.

CONTAMINANTS FROM CULTIVATION & STORAGE

MICROBIOLOGICALS:

OTHER YEASTS & MOLDS



HEALTH IMPACTS



PNEUMONIA



SINUS
INFECTIONS



ASTHMA



ALLERGIES

Symptoms more severe in children, elderly, & individuals with compromised immune systems.

BE SAFE

Check the test results or certificate of analysis (COA) of your product to ensure it has passed testing. The COA should include the batch number on your product. To learn more about how to read a COA, check out ASA's *Patient's Guide to Understanding Labels & Interpreting Product Certificates of Analysis*.



www.safeaccessnow.org/guide-labels