

Why screen botanicals for pesticides?

The top GMP violations (483s) issued by the FDA to dietary supplement companies have been for lack of appropriate specifications. 21 CFR §111.70 requires dietary supplement manufacturers to establish specifications for limits on contamination for your products. While the exact specifications are up to you, the FDA has clearly demonstrated through enforcement, that pesticide residue screening cannot be overlooked. SORA Labs offers pesticide analysis via our state-of-the-art GC/MS instrumentation. We're equipped to meet all of your pesticide screening needs.

USP<561> Pesticide List

- Alachlor
- Aldrin and dieldrin (sum of)
- Acephate
- Azinphos-ethyl
- Azinphos-methyl
- Bromide, inorganic (calculated as bromide ion)
- Bromophos-ethyl
- Bromophos-methyl
- Bromopropylate
- Chlordane (sum of cis-, trans-, and oxychlordane)
- Chlorfenvinphos
- Chlorpyrifos-ethyl
- Chlorpyrifos-methyl
- Chlorthal-dimethyl
- Cyfluthrin (sum of)
- λ-Cyhalothrin
- Cypermethrin and isomers (sum of)
- DDT (sum of o,p'-DDE, p,p'-DDE, o,p'-DDT, p,p'-DDT, o,p'-TDE, and p,p'-TDE)
- Deltamethrin
- Diazinon
- Dichlofluanid
- Dichlorvos
- Dicofof
- Dimethoate and omethoate (sum of)
- Dithiocarbamates (expressed as CS₂)
- Endosulfan (sum of isomers and endosulfan sulphate)
- Endrin
- Ethion
- Etrimphos
- Fenchlorophos (sum of fenchlorophos and fenchloro-phos-oxon)
- Fenitrothion
- Fenpropathrin
- Fensulfothion (sum of fensulfothion, fensulfothion-oxon, fensulfothion-oxonsulfon, and fensulfothion-sulfon)
- Fenthion (sum of fenthion, fenthion-oxon, fenthion-oxon-sulfon, fenthion-oxon-sulfoxid, fenthion-sulfon, and fenthion-sulfoxid)
- Fenvalerate
- Flucythrinate
- τ-Fluvalinate
- Fonofos
- Heptachlor (sum of heptachlor, cis-hepta chlorepoxide, and trans-heptachlorepoxide)
- Hexachlorbenzene
- Hexachlorocyclohexane (sum of isomers α-, β-, δ- and ε-)
- Lindane (γ-hexachlorocyclohexane)
- Malathion and malaoxon (sum of)
- Mecarbam
- Methacriphos
- Methamidophos
- Methidathion
- Methoxychlor
- Mirex
- Monocrotophos
- Parathion-ethyl and Paraoxon ethyl (sum of)
- Parathion-methyl and Paraoxon-methyl (sum of)
- Pendimethalin
- Pentachloranisole
- Permethrin and isomers (sum of)
- Phosalone
- Phosmet
- Piperonyl butoxide
- Pirimiphos-ethyl
- Pirimiphos-methyl (sum of pirimiphos-methyl and N-desethyl-pirimiphos-methyl)
- Procymidone
- Profenofos
- Prothiofos
- Pyrethrum (sum of cinerin I, cinerin II, jasmolin I, jasmolin II, pyrethrin I and pyrethrin II)
- Quinalphos
- Quintozene (sum of quintozene, pentachloraniline, and methyl pentachlorophenyl sulfide)
- S-421
- Tecnazene
- Tetradifon
- Vinclozolin



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