

Common Cuts and Buffs found in drugs at festivals using FTIR

<u>Substance</u>	<u>Description</u>	<u>Drugs seen in</u>
Caffeine	<ul style="list-style-type: none"> - Natural, mild stimulant commonly found in coffee, tea, and chocolate. - When taken in high doses (over 250mg), it may increase heart rate and anxiety and cause nausea, headaches, restlessness, and insomnia. - Can develop a tolerance and dependency to caffeine. (need this?) 	Common cut for all drugs
Mannitol	<ul style="list-style-type: none"> - Natural sweetener found in fruits and vegetables and commonly used in diabetic-friendly foods. - A diuretic that is rapidly excreted in urine when injected or taken orally. - May cause mild dehydration when taken in high amounts. 	Common cut for all drugs
Inositol	<ul style="list-style-type: none"> - Type of sugar that naturally occurs in fruits, beans, grains, and nuts. - Considered a pseudovitamin. It may cause nausea when ingested in high doses. 	Cocaine, MDMA/ MDA
Local anesthetics (Procaine, lidocaine, benzocaine)	<ul style="list-style-type: none"> - Numbs pain and lowers sensitivity to physical stimuli but not psychoactive - Cocaine has mild anesthetic properties, but not as strong as other -caines. - When in cocaine, can give the illusion of 'good' cocaine by increasing numbing sensation. 	Cocaine, ketamine
Talc	<ul style="list-style-type: none"> - Known as baby powder, talcum powder - May increase the risk of cancer from prolonged exposure of talc containing asbestos. - It is an insoluble compound that may cause inflammation in the lungs. 	Cocaine

<u>Substance</u>	<u>Description</u>	<u>Drugs seen in</u>
Phenacetin (Super Buff)	<ul style="list-style-type: none"> - Pharmaceutical drug used as a painkiller and to treat fever before acetaminophen was invented. - Taken off the market in 1978 because it was shown to cause certain cancers when taken for long periods of time. 	Cocaine, MDMA/ MDA
Dimethyl- sulfone (MSM)	<ul style="list-style-type: none"> - Supplement naturally occurring in small amounts. - Taken orally to reduce symptoms of osteoarthritis and to treat muscle damage and pain. - Generally nontoxic when taken orally but may cause nausea and headaches when ingested in high doses. - Commonly found in crystalline drugs especially meth as it can increase the size of crystals. 	Methamphetamine, ketamine, MDMA & any crystals
Levamisole	<ul style="list-style-type: none"> - Antiparasitic drug used to treat bacterial, parasitic, and viral infections. - Taken off the American market in 2000 due to its side effects: it can cause agranulocytosis (reduction in number of white blood cells) in humans. 	Cocaine
Microcrystalline Cellulose (MCC)	<ul style="list-style-type: none"> - Common filler in pharmaceuticals and pressed tablets, obtained from purified plant material (wood pulp). - Generally nontoxic, but acts a dietary fibre and when ingested in high doses may harm the digestive system interfering with nutrient absorption. 	Pressed tablets & pharmaceuticals

List of most common cuts and buffs found in drugs. These substances were found in 1% or more of the samples tested by FTIR spectroscopy
Please be aware that side effects of these substances are dependent on dose and route for drug administration.