Most sensitive K2 test on the market

RapidDetectINC

Our K2/Spice on-site test is the most sensitive K2 screen on the market, detecting at 25 ng/mL both JWH-018 and JWH-073, compounds used in the majority of K2 products. In fact, 98% of K2 presumptive positive samples tested at a leading lab during 2011 contained at least one of these compounds.* The K2/Spice Test also screens for six other compounds, giving it the widest range of screened K2 compounds:

Name	Compounds Detected by the K2/Spice Test
JWH-018	5-pentanoic acid metabolite
JWH-018	N-4-hydroxypentyl
JWH-073	4-butanoic acid metabolite
JWH-019	6-hydroxyhexyl
JWH-019	5-hydroxyhexyl
JWH-210	N-(5-carboxypentyl) metabolite $C_{26}H_{25}NO_3$
JWH-398	N-pentanoic acid metabolite
MAM2201	N-pentanoic acid metabolite
RCS-4	N-(5-carboxypentyl) metabolite $C_{21}H_{21}NO_4$

K2/Spice Test market-leading features:

- *Picks up more compounds than any other on-site test*
- *The most sensitive K2 on-site test – more sensitive than many lab-based tests*
- *The only consistently effective K2 on-site test (see independent studies below)*

The increased sensitivity of the our K2/Spice Test has been established by an additional independent lab. Testing at a confirming lab in New England reported that the K2/Spice Test picked up the presence of K2 at less than 10 ng/mL.

Independent study** demonstrates effectiveness of K2/Spice Test

K2 COMPARISON		K2/Spice Test	Imported K2 product #1	Imported K2 product #2
Control	Conc.	NEG	NEG	NEG
Urine 1	N sample	NEG	NEG	NEG
Urine 2	N sample	NEG	NEG	NEG
Urine 3	N sample	NEG	NEG	NEG
H2O	Tapped	NEG	NEG	NEG
JWH-018	25 ng/mL	POS	NEG	NEG
JWH-073	25 ng/mL	POS	NEG	NEG
MAM2201	100 ng/mL	POS	NEG	NEG
JWH-398	200 ng/mL	POS	NEG	NEG
JWH-210	300 ng/mL	POS	NEG	NEG

** Norchem Drug Testing evaluation, April 2012* *** Study conducted October 3, 2012*

K2 or "Spice" is an illicit drug that is comprised of a mixture of herbs and spices, typically sprayed with a synthetic compound. The most common chemical compounds of K2 include JWH-018 and JWH-073.

Forensic use or export only

Compounds present in popular K2 brands

	JWH-018 (mg/g)	JWH-073 (mg/g)	CP47,497 (n=8)(mg/g)	JWH-250 (mg/g)
K2 Blonde	12	13	-	-
K2 Standard	9	9	-	-
K2 Citron	10	10	-	-
K2 Summit	11	9	-	-
K2 Blue	15	-	-	-
K2 Pink	11	-	-	-
K2 Latte	16	0.28	-	14
K2 Mint	19	0.30	-	-
K2 Silver	8	-	-	16
Spike Gold	20	11	-	-
Spike Maxx	17	0.07	-	-
Spike Silver	9	16	-	-
Herbal blends*	2.0-35.9	-	1.1-16.9	-

Manufactured for:

RapidDetectINC

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K2 or "Spice" is an illicit drug that is comprised of a mixture of herbs and spices, typically sprayed with a synthetic compound that is chemically similar to THC, the psychoactive ingredient in marijuana. The most common chemical compounds of K2 include HU-210, HU-211, JWH-018, and JWH-073. K2 is often marketed in head shops, tobacco shops, or over the Internet as incense or "fake weed." Unknown product origin and amount of chemical compound on the organic material are just two of the many risks associated with K2/Spice.

Street names

Bliss, Black Mamba, Bombay Blue, Cloud Nine, Fake Weed, Genie, Spice, Zohai

Looks like

K2 is typically sold in small, silvery plastic bags of dried leaves and marketed as incense that can be smoked. It is said to resemble potpourri.

Methods of abuse

K2 products are usually smoked in joints or pipes, but some users make it into a tea.

Affect on mind

Psychological effects are similar to those of marijuana and include paranoia, panic attacks, and giddiness.

Affect on body

Physiological effects of K2 include increased heart rate and increase of blood pressure. It appears to be stored in the body for long periods of time, and therefore the long-term effects on humans are not fully known.

Drugs causing similar effects

Marijuana

Overdose effects

There have been no reported deaths by overdose.

Legal status in the United States

On Tuesday, March 1, 2011, DEA published a final order in the Federal Register temporarily placing five synthetic cannabinoids into Schedule I of the CSA. The order became effective on March 1, 2011. The substances placed into Schedule I are 1-pentyl-3-(1-naphthoyl) indole (JWH-018), 1-butyl-3-(1-naphthoyl) indole (JWH-073), 1-[2-(4-morpholinyl) ethyl]-3-(1-naphthoyl)indole (JWH-200), 5-(1,1-dimethylheptyl)-2-[(1R,3S)-3-hydroxycyclohexyl]-phenol (CP-47,497), and 5-(1,1-dimethyloctyl)-2-[(1R,3S)-3-hydroxycyclohexyl]-phenol (cannabicyclohexanol; CP-47,497 C8 homologue). This action is based on a finding by the Administrator that the placement of these synthetic cannabinoids into Schedule I of the CSA is necessary to avoid an imminent hazard to the public safety. As a result of this order, the full effect of the CSA and its implementing regulations including criminal, civil and administrative penalties, sanctions, and regulatory controls of Schedule I substances will be imposed on the manufacture, distribution, possession, importation, and exportation of these synthetic cannabinoids.

Common places of origin

Manufacturers of this product are not regulated and are often unknown since these products are purchased via the Internet whether wholesale or retail. Several websites that sell the product are based in China. Some products may contain an herb called damiana, which is native to Central America, Mexico, and the Caribbean.

Source: dea.gov – "Drug Fact Sheet: K2 or Spice"

DRUGS TESTS AVAILABLE IN DIP CASSETTE OR SINGLE STRIPS

URINALYSIS CUTOFFS	
Alcohol (ALC)	.04%*
Amphetamine (AMP)	1,000 500* 300*
Barbiturates (BAR)	300
Benzodiazepines (BZO)	300 200*
Buprenorphine (BUP)	10 5*
Cocaine (COC)	300 150
Cotinine (COT)	200*
EDDP	100*
Fentanyl (FYL)	200*
GHB	10*
Ketamine (KET)	1,000*
K2/Spice	25*
Marijuana (THC)	300* 50 25*
Methadone (MTD)	300
Methamphetamine (MET)	1,000 500 300*
Methylenedioxymeth-amphetamine (MDMA)	500
Opiates (OPI)	2,000 300
Oxycodone (OXY)	100
Phencyclidine (PCP)	25
Propoxyphene (PPX)	300
Tramadol (TML)	100*
Tricyclic Antidepressants (TCA)	1,000

** FORENSIC USE ONLY*
All cutoffs in ng/mL except alcohol (%BAC) and GHB (µg/mL)

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