



Q. Does the Scanner detect methamphetamine mixed with common adulterants?

Illicit drugs are often adulterated by suppliers to increase their profits. Methamphetamine is sometimes “cut” and one of the most common adulterants is MSM (methanesulfonyl-methane), a common food supplement found in grocery and nutrition stores.

CDEX research personnel conducted a comprehensive test program to determine the effectiveness of the ID2 Meth Scanner in detecting methamphetamine at various levels of adulteration by common adulterants. The results are contained in the chart below.

Test date: 11-11-2008

Sample Preparation: All methamphetamine (pure, pharmaceutical grade) and adulterants were weighed, combined in dry form, and mixed thoroughly using a mortar and pestle.

Test Procedure: Each sample was scanned using two ID2 Meth Scanners and the results recorded as either “Meth Positive” or “Meth Negative.”

Adulterant	Percent of adulterant to methamphetamine								
	10/90	20/80	30/70	40/60	50/50	60/40	70/30	80/20	90/10
1. Flour (All-purpose)	POS	POS	POS	POS	POS	POS	POS	POS	POS
2. Salt (Iodized)	POS	POS	POS	POS	POS	POS	POS	POS	POS
3. Sugar (Cane)	POS	POS	POS	POS	POS	POS	POS	POS	POS
4. Baking Soda	POS	POS	POS	POS	POS	POS	POS	POS	POS
5. MSM	POS	POS	POS	POS	POS	POS	POS	POS	POS

Conclusions:

- The ID2 Meth Scanner detects the presence of methamphetamine when the meth has been “cut” or adulterated with the most commonly used substances.
- The ID2 Meth Scanner detects methamphetamine in very small concentrations when mixed with these common adulterants.