

表S1 34种化合物在8种基质中的加标回收率及精密度 (n=6)

TableS1 Recoveries and precisions of the 34 compounds spiked in the eight matrices (n=6)

No.	Compound	Spiked/ (μg/kg)	L-carnitine		Slimming capsule		Enzyme beverage		Plum preserve		Slimming meal biscuit		Slimming milk tea		L-carnitine coffee		Slimming tea	
			effervescent															
			tablets															
			Recover	RSD/ y/%	Recover	RSD/ y/%	Recover	RSD/ y/%	Recover	RSD/ y/%	Recover	RSD/ y/%	Recover	RSD/ y/%	Recover	RSD/ y/%	Recover	RSD/ y/%
1	phenylpropa nolamine	5	69.2	6.4	75.3	8.6	88.5	2.7	92.3	6.6	92.6	4.5	60.7	3.2	70.5	9.6	104.4	9.5
		10	67.5	9.1	63.9	7.3	91.7	3.1	90.5	3.7	89.8	4.5	58.5	3.7	65.4	4.1	97.9	5.9
		20	64.2	4.7	61.4	2.1	92.2	2.0	90.6	0.8	92.1	1.7	58.3	3.3	68.2	3.9	101.9	3.9
2	norpseudoephedrine	5	87.7	6.2	83.6	6.7	135.4	5.1	136.2	9.6	93.9	6.7	66.0	4.9	89.7	6.4	83.7	12.1
		10	82.4	8.2	69.6	4.9	114.3	1.5	126.8	3.3	88.6	5.4	60.8	5.6	81.1	7.5	92.8	10.8
		20	79.0	6.7	64.9	1.9	116.2	2.0	112.8	2.4	86.5	5.4	57.1	8.7	67.9	4.6	89.4	3.3
3	ephedrine	5	88.9	3.3	101.2	4.0	104.4	1.9	99.7	2.5	99.8	5.0	103.5	4.8	98.7	6.3	93.9	10.0

4	pseudoephedrine	10	84.3	2.9	93.4	4.9	98.5	1.8	92.8	4.9	98.9	4.3	95.1	4.0	80.7	2.6	116.0	8.5
		20	81.8	2.0	82.1	0.9	94.5	1.8	93.6	4.9	99.7	1.0	94.0	0.8	85.6	4.0	94.3	6.2
		5	103.0	2.3	113.3	2.1	113.3	4.1	98.4	4.7	105.4	4.7	105.6	3.0	95.9	6.9	81.6	8.3
		10	100.4	3.6	96.2	4.0	109.0	5.3	93.9	3.8	97.9	2.8	98.7	1.7	88.3	7.5	103.1	10.9
		20	97.8	1.9	82.9	4.4	110.2	1.1	94.0	4.4	98.4	1.1	93.6	0.7	82.7	7.7	99.5	4.4
5	methylephedrine	5	98.5	0.9	105.5	3.7	111.0	2.2	98.7	4.4	97.7	3.0	93.3	3.4	87.1	5.5	101.0	10.7
		10	97.4	3.7	88.7	3.0	110.0	2.4	95.2	0.8	95.3	4.7	98.0	2.9	87.4	6.5	96.8	12.6
		20	95.3	2.6	80.9	2.0	107.8	1.6	94.0	2.3	95.8	1.1	93.7	1.7	91.4	9.3	97.2	4.7
6	amphetamine	5	100.9	0.7	96.0	3.2	126.5	5.7	127.2	5.9	95.4	3.0	87.5	4.9	96.6	10.1	80.6	9.3
		10	99.0	3.6	78.9	3.2	111.4	1.6	102.9	5.2	93.7	4.0	82.4	3.1	85.1	5.9	82.7	9.5
		20	96.3	3.3	73.7	2.9	109.3	1.9	97.6	2.7	97.3	2.0	79.3	2.1	88.6	3.5	94.6	7.8
7	chlorothiazide	25	121.0	5.2	106.4	7.0	115.7	4.0	121.4	1.9	93.0	1.9	96.6	5.7	61.6	8.1	80.5	11.9
		50	112.1	5.1	89.8	4.6	120.9	2.6	116.4	5.0	99.3	0.8	104.2	2.3	60.7	6.6	94.2	4.1

8	hydrochloro thiazide	100	113.5	2.0	86.2	2.1	119.1	2.2	115.8	5.0	102.7	1.2	106.5	3.2	59.9	3.5	95.0	4.3
		25	96.1	7.4	111.7	4.6	100.3	5.8	99.4	7.3	98.1	2.5	89.8	6.7	96.8	5.6	82.6	12.7
		50	98.2	8.9	87.5	3.7	102.3	7.0	99.0	5.6	96.9	4.4	93.0	2.1	94.4	4.1	94.0	8.0
		100	92.0	2.2	78.6	2.6	103.3	2.5	100.0	5.6	98.3	2.2	89.0	1.9	86.2	5.0	98.8	6.7
9	methamphet amine	5	99.1	2.7	105.3	4.4	107.5	3.4	98.7	3.7	89.2	7.5	66.6	7.6	72.2	14.5	87.8	13.2
		10	108.2	9.3	87.8	2.2	109.0	2.4	96.3	3.3	95.2	5.5	65.8	4.0	65.6	5.1	98.1	7.2
		20	97.9	3.9	80.2	2.7	105.2	2.5	101.8	1.5	104.4	7.0	66.3	6.3	70.3	11.7	96.1	3.8
10	caffeine	5	133.4	7.6	54.0	7.9	/	/	131.4	6.7	100.5	9.8	/	/	/	/	/	/
		10	118.5	4.2	62.2	5.7	/	/	114.9	6.8	92.9	15.0	/	/	/	/	/	/
		20	111.4	4.3	71.7	9.2	/	/	105.7	3.1	91.4	3.8	/	/	/	/	/	/
11	phentermine	5	101.8	5.4	87.7	7.5	108.0	7.6	102.9	6.1	72.6	9.8	63.7	5.9	52.3	9.1	75.8	14.2
		10	94.6	4.2	78.8	5.8	97.0	5.5	89.4	3.7	78.1	2.9	67.2	6.1	57.9	8.2	96.7	3.9
		20	100.5	3.1	75.7	4.1	95.3	2.8	85.2	8.2	87.9	4.0	61.6	13.0	60.4	4.0	91.9	6.8

12	lorcaserin	5	85.1	3.3	93.0	6.5	98.5	2.1	89.1	1.7	88.3	3.9	66.8	2.8	58.7	2.4	69.9	10.6
		10	85.2	4.5	72.5	3.7	99.6	1.3	87.7	3.1	83.5	5.8	67.6	3.0	56.6	4.5	79.2	3.5
		20	85.1	1.7	73.5	1.4	99.4	1.8	88.3	1.6	88.4	1.5	62.4	3.3	56.3	2.2	79.5	5.3
13	bupropion	5	93.1	1.5	134.4	4.0	109.6	1.7	108.4	1.4	100.0	3.0	69.2	3.4	54.1	3.4	72.3	12.2
		10	88.3	2.5	119.8	2.7	108.2	2.1	99.7	1.8	92.0	2.5	62.7	2.8	59.9	4.6	80.4	2.9
		20	86.4	1.0	103.4	1.5	106.1	2.0	96.1	2.1	88.0	3.1	57.6	2.9	55.7	4.9	79.8	5.9
14	fenfluramine	5	89.9	3.6	113.5	4.6	107.0	2.7	104.8	2.9	95.7	1.6	87.9	3.1	71.6	1.4	85.1	12.2
		10	88.8	3.4	90.9	3.3	106.2	1.7	99.5	3.9	96.4	2.8	91.6	3.9	69.7	3.9	98.7	4.4
		20	87.8	2.7	81.8	2.6	105.3	1.9	96.6	2.1	98.2	2.8	86.1	1.3	67.8	2.0	100.3	4.3
		25	83.1	10.0	101.4	9.6	111.1	10.7	97.9	4.2	108.1	6.6	72.5	10.7	58.3	14.0	95.3	3.8
15	pravastatin	50	75.7	4.4	81.5	11.3	108.2	7.7	101.0	6.1	99.3	6.5	79.2	6.9	52.6	13.1	97.7	6.9
		100	75.3	4.2	77.0	7.6	104.7	3.0	97.0	6.5	98.3	7.0	71.5	9.5	51.5	3.4	100.6	8.0
16	furosemide	25	79.5	6.8	88.1	6.2	112.4	9.1	111.6	3.5	130.9	4.9	68.6	8.4	101.0	4.4	95.7	5.6

17	N-didesmet hysibutrami ne	50	77.2	5.3	91.8	6.0	99.1	6.5	93.0	7.6	110.4	7.5	79.6	6.1	117.7	12.1	87.9	5.8
		100	77.5	4.7	77.1	3.6	104.2	1.9	93.5	5.8	88.5	4.3	74.5	4.5	98.7	4.9	83.4	8.4
		5	55.5	6.1	99.9	6.5	108.4	4.3	99.4	4.1	97.9	5.9	86.9	1.3	53.8	5.9	92.9	11.4
		10	58.4	3.3	89.6	4.4	106.6	7.4	98.7	4.9	87.1	7.2	83.9	2.6	55.5	5.3	96.7	7.3
		20	55.8	3.9	89.3	3.8	100.6	5.8	99.0	4.0	90.6	5.5	71.8	3.4	56.6	4.9	92.5	6.1
18	fluoxetine	5	49.2	3.6	108.6	9.0	106.2	3.4	98.1	5.8	95.3	3.3	93.5	5.4	57.5	7.4	84.5	8.5
		10	56.9	3.0	89.8	8.3	109.4	4.6	98.9	4.1	90.3	7.7	89.2	6.5	57.4	7.1	90.2	3.6
		20	58.5	1.9	81.7	5.6	111.0	3.2	101.5	9.1	93.0	8.7	86.9	3.0	58.3	3.6	88.1	4.9
19	phenolphtha lein	5	87.9	9.5	106.7	5.2	87.1	5.3	84.1	9.6	90.2	8.6	106.2	6.0	74.4	6.1	100.3	10.7
		10	98.6	5.1	91.0	10.1	92.9	8.5	85.6	2.9	95.0	6.5	90.8	7.3	75.5	9.2	102.8	6.5
		20	104.9	6.8	82.0	5.3	101.5	5.6	96.1	5.2	98.2	4.6	92.8	4.9	70.8	4.2	101.0	4.7
20	N-monodes methyl	5	71.4	4.9	92.2	7.9	112.1	5.4	105.7	4.8	102.9	6.2	94.6	7.9	81.1	8.3	84.3	10.5
		10	64.0	1.7	87.3	6.1	108.3	5.3	101.9	7.3	98.5	4.4	95.7	8.9	74.2	5.5	96.4	7.4

21	sibutramine	20	59.8	4.9	87.6	5.3	100.5	3.1	94.1	3.3	97.9	2.9	87.8	1.9	74.5	6.6	98.7	6.6
		5	84.3	8.5	115.3	5.7	101.1	4.8	84.4	10.9	80.8	9.0	90.3	9.0	70.3	6.9	98.5	8.4
	indapamide	10	91.3	9.3	96.8	4.1	107.1	6.8	98.7	7.0	93.0	6.7	103.9	5.0	70.5	5.0	103.1	4.4
		20	90.1	3.1	84.8	3.8	113.4	4.7	96.7	6.9	97.0	5.4	103.3	3.4	70.9	5.1	100.9	3.9
		5	69.2	2.7	121.0	3.7	105.0	4.5	97.1	5.2	92.6	4.8	103.4	4.0	93.5	4.8	83.0	11.9
22	sibutramine	10	69.3	1.6	94.3	6.4	102.4	2.7	93.0	3.8	87.9	6.5	98.5	3.8	84.3	2.7	95.9	6.5
		20	69.4	2.7	82.9	4.6	106.2	2.1	93.9	1.3	89.1	2.9	96.3	4.8	78.3	4.9	99.0	6.3
		5	91.8	4.9	120.5	5.2	116.5	6.2	107.3	4.3	78.6	6.5	87.3	6.4	75.2	4.9	91.2	10.8
23	benzylsibutramine	10	79.7	5.1	96.3	4.1	107.0	9.3	96.2	4.1	77.0	7.7	84.1	2.2	76.0	4.6	103.2	5.5
		20	74.3	5.3	85.9	2.1	101.5	3.3	91.0	2.1	83.4	5.5	82.1	5.7	78.4	5.3	101.9	6.3
		5	89.0	6.3	98.3	7.2	108.0	5.2	106.2	6.5	92.8	4.1	96.6	4.0	81.6	5.8	86.8	10.7
24	homosibutramine	10	84.6	5.5	81.7	7.2	106.3	5.5	94.8	3.4	83.0	4.2	95.5	7.3	84.7	5.7	100.5	4.2
		20	80.2	5.9	78.4	5.3	102.1	6.2	93.0	7.2	88.4	5.1	91.2	4.4	81.8	7.5	100.0	5.5

25	bisacodyl	5	95.5	6.5	130.8	4.7	119.3	2.1	111.8	4.8	132.7	7.4	135.0	2.7	129.3	6.2	91.4	10.9
		10	95.2	3.8	130.1	5.0	118.7	7.0	112.7	2.7	122.5	5.5	124.5	3.3	111.5	6.1	101.2	5.3
		20	92.2	5.0	126.4	4.3	111.1	4.6	106.8	6.2	114.9	4.7	122.5	2.9	124.1	6.2	101.5	6.3
26	chlorosibutramine	5	94.0	5.2	94.1	9.9	113.6	4.2	107.3	4.1	84.7	6.3	86.7	4.2	81.9	5.5	85.7	13.5
		10	87.8	4.9	85.3	9.2	112.2	5.5	97.3	1.8	81.8	8.3	90.7	5.8	82.2	4.4	100.9	7.2
		20	86.0	3.0	81.0	5.2	109.0	5.1	101.2	4.1	84.8	4.3	84.5	5.4	76.4	2.8	101.9	4.7
27	bezafibrate	5	105.5	3.0	102.0	3.6	107.9	5.5	100.7	4.8	96.8	4.5	94.7	5.1	96.1	9.0	83.2	11.5
		10	98.7	4.8	91.1	4.5	104.1	4.6	97.2	3.0	103.1	5.0	104.6	4.2	101.9	7.4	95.6	6.8
		20	95.1	2.5	81.2	5.5	103.1	4.6	95.9	5.1	101.4	2.3	99.8	3.1	96.0	3.3	98.7	6.5
28	bumetanide	5	111.1	4.5	106.3	4.2	121.0	5.0	108.4	3.4	96.8	4.6	94.9	3.7	87.9	7.8	96.9	11.7
		10	102.3	4.4	89.2	9.0	111.1	5.8	101.7	5.0	98.4	4.3	98.9	1.8	91.7	6.5	102.1	5.0
		20	100.9	3.6	79.4	2.8	108.5	3.4	97.6	3.2	97.0	3.2	96.6	2.4	85.5	4.1	98.0	6.2
29	gemfibrozil	25	120.4	8.9	91.6	8.9	123.8	4.6	112.3	8.4	113.9	4.2	107.4	5.3	112.6	3.2	77.8	11.4

30	lovastatin	50	115.5	9.5	93.0	8.5	114.1	5.9	106.4	8.3	95.3	5.4	116.9	7.8	114.5	7.1	89.3	6.3
		100	103.5	3.9	85.3	4.6	108.2	5.6	101.9	2.7	101.2	4.7	114.5	8.5	101.5	6.4	95.2	5.3
		5	89.3	10.4	128.5	5.0	105.0	6.2	96.8	7.0	130.9	6.9	107.9	6.3	111.1	7.1	85.0	7.4
		10	78.9	7.2	135.1	6.7	106.2	5.8	105.8	10.0	131.1	9.6	108.7	9.8	106.1	6.9	102.4	8.5
		20	80.9	4.4	112.2	4.8	105.6	6.5	104.9	5.0	129.1	6.3	107.6	2.2	97.2	4.1	105.2	8.5
31	simvastatin	5	86.8	9.5	131.9	9.4	102.9	8.5	87.9	5.3	114.4	5.7	115.5	6.0	83.1	4.9	100.4	10.8
		10	81.0	8.3	122.3	2.4	96.5	5.4	96.6	5.3	113.2	4.7	109.6	5.0	100.5	8.4	103.7	11.0
		20	79.5	2.8	100.9	4.0	98.9	5.0	97.3	5.5	112.5	5.2	110.0	2.8	93.5	4.5	103.0	6.4
32	rimonabant	5	107.8	2.3	130.5	2.7	113.7	2.3	107.6	3.3	114.5	3.2	112.8	2.1	94.9	3.6	92.8	11.0
		10	102.3	2.6	113.7	3.6	109.1	2.6	100.0	2.0	117.8	2.5	114.7	2.1	100.8	1.1	103.1	6.7
		20	99.7	2.2	99.6	3.9	109.8	2.2	101.1	2.5	117.3	3.4	115.0	2.9	96.0	1.9	102.1	4.5
33	fenofibrate	5	99.8	3.3	106.0	4.5	104.2	5.5	98.0	2.3	81.9	2.0	98.7	2.4	89.8	5.1	88.6	11.3
		10	95.9	3.4	90.6	5.4	102.0	4.9	96.0	3.9	84.0	4.5	98.6	3.6	96.1	2.5	100.3	4.0

		20	92.8	1.9	80.4	4.1	103.8	2.1	95.5	2.9	86.6	2.9	96.7	3.6	93.4	2.7	102.4	2.9
		5	87.4	6.8	126.5	6.1	104.1	6.5	112.6	4.5	77.6	7.5	/	/	/	/	/	/
34	orlistat	10	91.7	10.2	123.9	7.8	105.6	4.6	106.0	7.3	58.4	9.7	/	/	/	/	/	/
		20	96.8	4.7	121.8	4.4	111.9	4.4	106.6	5.4	57.0	5.3	/	/	/	/	/	/

/: not detected.