

Supplementary information

Simple Photoelectrochemical Aptasensor Based on MoS₂/rGO for Aflatoxin B1 Detection in Grain Crops

Cuizhong Zhang ^{a b c d, 1}, Qiang Wang ^{c d, 1}, Chuanze Zhong ^a, Ye Yang ^a, Xuexue

Liang ^a, Peican Chen ^{*a}, Liya Zhou ^{*a}

^a School of Chemistry and Chemical Engineering, Guangxi University, Nanning 530004, China

^b Photochemical Sensing and Regional Environmental Analysis Laboratory, School of chemistry and Bioengineering, Guangxi Normal University for Nationalities, Chongzuo 532200, China

^c Guangxi Key Laboratory for High-value Utilization of Manganese Resources, Chongzuo 532200, China

^d Chongzuo Key Laboratory of Comprehensive Utilization Technology of Manganese Resources, Chongzuo 532200, China

* Authors to whom any correspondence should be addressed.

E-mail: zhouliyatf@163.com.

3. Results and discussion

Table S1 Detection of aflatoxin B1 in peanuts and rice samples (n=3)

Samples	Added(ng/mL)	Found (ng/mL)	RSD(%)	Recovery(%)
Peanuts	0.50	0.51,0.52,0.49	3.1	101.3
	5.00	5.12,5.18,5.10	0.8	102.6
	50.00	49.50,51.52,50.35	2.0	100.9
Rice	0.50	0.49,0.52,0.48	4.5	98.0
	5.00	5.11,5.02,4.92	1.9	100.4
	50.00	49.82,49.61,51.55	2.1	100.6