

Table 1. Results of analysis of lead in contaminated rice samples with preparation operations (n = 45).

Sample	Real sample	Keeping with acetic acid 1% (2 h)				Keeping up with citric acid 1% (2 h)			
		Treatment (ppb)	Reduction (%)	Mean (%)	SD	Treatment (ppb)	Reduction (%)	Mean (%)	SD
S1	81	30.0	63	62.1	0.7	13	84	83.5	0.7
	81	31.0	62			13	84		
	81	31.0	62			14	83		
S2	89	31.0	65	65.5	0.6	14	84	83.5	1.3
	89	31.0	65			14	84		
	89	30.0	66			16	82		
S3	91	30.0	67	67.0	0.0	16	82	83.5	1.1
	91	30.0	67			14	85		
	91	30.0	67			15	84		
Total mean	87±4.8	30±0.5	65	65	0.5	14±1.1	84	84	1
		Rinse off with acetic acid 1%				Rinse off with Citric acid 1%			
Sample	Real sample	Treatment (ppb)	Reduction (%)	Mean (%)	SD	Treatment (ppb)	Reduction (%)	Mean (%)	SD
S1	81	30	63	62.6	0.7	12	85	84.0	2.1
	81	31	62			12	85		
	81	30	63			15	81		
S2	89	35	61	60.7	0.0	15	83	84.3	1.9
	89	35	61			15	83		
	89	35	61			12	87		
S3	91	30	67	67.0	0.0	12	87	84.6	1.9
	91	30	67			15	84		
	91	30	67			15	84		
Total mean	87±4.8	32±2.4	63	63	0.2	14±1.1	84	84	2
		Wash with deionized water (6 Times)							
Sample	Real sample	Treatment (ppb)	Reduction (%)	Mean (%)	SD				
S1	81	50	38.3	37.9	0.7				
	81	51	37.0						
	81	50	38.3						
S2	89	60	32.6	34.5	3.2				
	89	60	32.6						
	89	55	38.2						
S3	91	55	39.6	39.6	0.0				
	91	55	39.6						
	91	55	39.6						
Total mean	87±4.8	55±3.8	37	37	1.3				

