

## ***Supporting Information***

### **Elemental screening of the plant-based food by slurry nebulization ICP-MS**

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Table S1, 11 different types of surfactants were selected in this work

Surfactants	Concentration	Medium	Sample	Stabilization time
Tirtion-114	0.01% $m/m$	0.5% $HNO_3$	Rice,tea	<1h
Tirtion-100	0.01% $m/m$	0.5% $HNO_3$	Rice,tea	<1h
Tirtion-80	0.01% $m/m$	0.5% $HNO_3$	Rice,tea	<30min
polyethylene glycol	1% $m/m$	0.02% $NaOH$	Rice,tea	<1h
sodium ligninsulfonate	0.1% $m/m$	0.02% $NaOH$	Rice,tea	<1h
N,N'-Methylenebisacrylamide	0.1% $m/m$	water	Rice,tea	<30min
Polyacrylamide(3000 anions)	10-6 $m/m$	water	Rice,tea	<2h
polyvinylpyrrolidone	0.05% $m/v$	water	Rice,tea	<30min
sodium dodecyl benzene sulfonate	0.05% $m/v$	0.5% $HNO_3$	Rice,tea	<30min
hexamethylene-tetramine	0.01% $m/v$	water	Rice,tea	<1h
Polyethylene imine	0.5% $m/m$	water	Rice,tea	> 2h
ammonia water	5% $m/m$	water	Rice,tea	<2h
without surfactants	--	water	Rice,tea	<30min