

Table S1

Elemental analysis of DOCs by SEM-EDX (Scanning Electron Microscopy – Energy Dispersive X-ray Spectroscopy)

Deoiled cakes	Macro elements				Micro elements													
	N %	C %	H %	S %	Cr	Mn	K	Mg	Zn	P	Fe	Co	Ni	Ca	Si	Cu	Al	Cl
Mustard	6.00	45.39	6.93	1.17	•	•	•	•	•	•	•	•	•	•	X	•	X	X

• Available

X Not available