

Table 2. Post processing surface and bulk analysis along with model prediction

Element (wt. %)	Surface			Bulk		Model prediction
	Ulm-EDX	Empa-EDX	DLR-EDX	DLR-EDX	DCPES	
Fe	58.80 ± 0.30	59.7 ± 0.4	58.54±0.89	59.84±0.15	60.60±1.2	60.42
Cr	21.00 ± 0.61	20.4 ± 0.1	21.57±0.57	21.62±0.10	19.80±0.40	19.56
Ni	21.20 ± 0.16	19.9 ± 0.3	19.88±1.11	18.53±0.11	19.50±0.40	20.01