

# Supplementary Materials: Quantitative Determining of Ultra-Trace Aluminum Ion in Environmental Samples by Liquid Phase Microextraction Assisted Anodic Stripping Voltammetry

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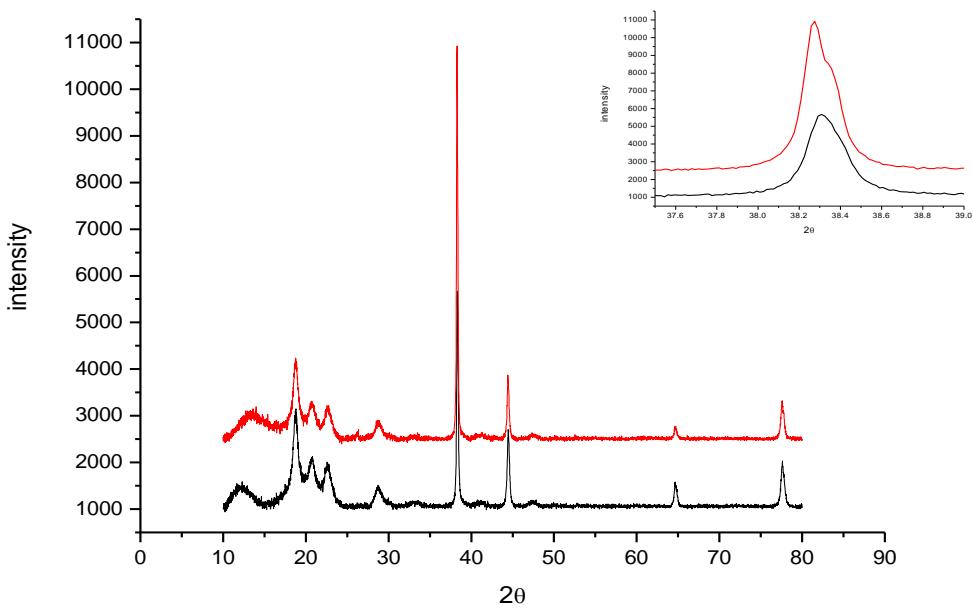


(A)

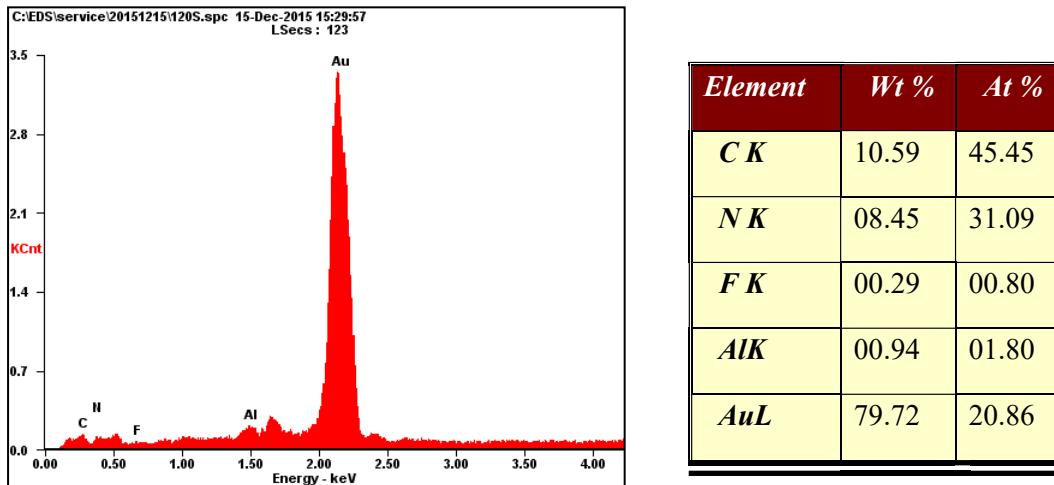


(B)

**Figure S1.** Image of microliter voltammetric cell from top view (A) and side view (B).



**Figure S2.** XRD patterns of bare gold disk electrode (lower curve) and the deposit obtained potentiostatically at  $-1.8$  V for 120 s after IL-based CME of  $10 \mu\text{g L}^{-1}$  aluminium on the gold substrate (upper curve). Inset: enlarged image of  $\text{Au}(1\ 1\ 1)$  peak of XRD patterns.



**Figure S3.** Energy-dispersive X-ray spectroscopy (EDX) analysis of Al deposition on GDE.