Supporting Information

Phosphate Separation and Recovery from Wastewater by Novel Electrodialysis

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Table S1: Characteristics of the anaerobic effluent of a potato processing wastewater (Agristo NV)

Parameter	**Wastewater characteristics**
pH	7.41 ± 0.31
NH_4^+(mg/L)	432 ± 76
Mg^{2+} (mg/L)	48 ± 16
PO_4-P (mg/L)	99 ± 40
Inorganic Carbon IC (mg/L)	785 ± 165
Ca^{2+} (mg/L)	66 ± 35
K^+ (mg/L)	1128 ± 156
Cl^- (mg/L)	350 ± 50
SO_4^{2-} (mg/L)	25 ± 15
Na^+ (mg/L)	350 ± 50

Table S2: The concentration of components in SED product and the synthetic SED product by using anaerobic effluent with a dosage of NaOH and KH_2PO_4

Component	**After Selectrodialysis (SED product)**	**Synthetic SED product (from the anaerobic effluent with pH and phosphate adjustment)**
Cl^- (mg/L)	1100	1100
PO_4-P (mg/L)	225	225
SO_4^{2-} (mg/L)	43	45
Na^+ (mg/L)	1658	1330
NH_4^+ (mg/L)	355	562
K^+ (mg/L)	1188	1681
Mg^{2+} (mg/L)	14	6
Ca^{2+} (mg/L)	66	78
pH	9	9