Materials List for

Ion-Exchange Membranes for the Fabrication of Reverse Electrodialysis Device

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Materials

Name	Company	Catalog Number	Comments
AEM based membrane	Fumion	P1810-194	Ionomer
CEM based membrane	Fumion	E550	Ionomer
Digital torque wrench	Torqueworld	WP2-030-09000251	wrench
Labview software	Natiaonal Instrument	-	Software
Laptop	LG	-	PC
Magnetic stirrer	Lab Companion	-	MS-17BB
N, N-Dimethylacetamide	Sigma aldrich	271012	Chemical
N-Methyl-2- pyrrolidone	Daejung	872-50-4	Chemical
Peristaltic pump	EMS tech Inc	-	EMP 2000W
Potassium hexacyanoferrate(II) trihydrate	Sigma aldrich	P3289	Chemical
Potassium hexacyanoferrate(III)	Sigma aldrich	244023	Chemical
Pressure Gauge	Swagelok	-	Guage
Reverse electrodialysis setup	fabricated in lab	-	Device
RO system pure water	KOTITI	-	Water
Rotary evaporator	Hitachi	YEFO-KTPM	Induction motor
Sodium Chloride	Sigma aldrich	S9888	Chemical
Sodium Hydroxide	Merk	1310-73-2	Chemical
Source meter	Keithley	-	2410
Spacer	Nitex, SEFAR	06-250/34	Spacer
Sulfuric acid	Daejung	7664-93-9	Chemical
Tube	Masterflex tube	96410-25	Rubber tube

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