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APPENDIX

Table A.1 Properties of Thiophene*

Formula	C_4H_4S
Structure	
Chemical name	Thiophene
Physical property	
Molecular weight (g/mol)	84.14
Form	liquid
Color	colorless
Melting point (°C)	-38.2
Boiling point (°C)	82.84
Specific gravity (g/ml)	1.063
Solubility	Soluble in alcohol, ether Acetone, benzene
Purity	> 98 % (by supplier)
Supplier	Fluka


* From Suppliers

Table A.2 Properties of Toluene*

Formula	$C_6H_5CH_3$
Structure	
Chemical name	Methylbenzene
Physical property	
Molecular weight (g/mol)	92.14
Form	liquid
Color	colorless
Melting point (°C)	-95
Boiling point (°C)	109.112
Specific gravity (g/ml)	0.87
Solubility	Soluble in alcohol, ether Acetone, benzene
Purity	100 % (from supplier)
Supplier	J.T. Baker Inc.


* From Suppliers

Table A.3 Properties of n-Hexane*

Formula	C_6H_{14}
Structure	
Chemical name	n-Hexane
Physical property	
Molecular weight (g/mol)	86.18
Form	liquid
Color	colorless
Boiling point (°C)	68.6-70
Specific gravity (g/ml)	0.662
Solubility	Soluble in alcohol, ether Acetone, benzene
Purity	> 95 % (by supplier)
Supplier	J.T. Baker Inc.

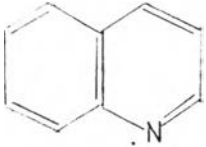
* From Suppliers

Table A.4 Properties of Pyridine*

Formula	C_5H_5N
Structure	
Chemical name	Pyridine
Physical property	
Molecular weight (g/mol)	79.10
Form	liquid
Color	colorless
Melting point (°C)	-42
Boiling point (°C)	115.6
Specific gravity (g/ml)	0.98
Solubility	Soluble in thiophene, Toluene and n-hexane
purity	> 99.5 % (by supplier)
Supplier	Merk

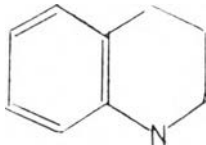
* From Suppliers

Table A.5 Properties of Quinoline*

Formula	C_9H_7N
Structure	
Chemical name	Quinoline
Physical property	
Molecular weight (g/mol)	129.16
Form	liquid
Color	Brown-black
Melting point (°C)	-17 - -13
Boiling point (°C)	108-110
Specific gravity (g/ml)	1.093
Solubility	Soluble in thiophene, Toluene and n-hexane
Purity	> 97 % (by supplier)
Supplier	Fluka

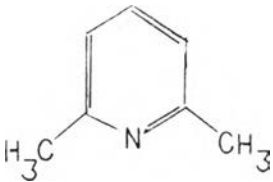
* From Suppliers

Table A.6 Properties of 1,2,3,4-tetrahydroquinoline*

Formula	$C_9H_{11}N$
Structure	
Chemical name	1,2,3,4-tetrahydroquinoline
Physical property	
Molecular weight (g/mol)	133.2
Form	liquid
Color	colorless
Melting point (°C)	9-14
Boiling point (°C)	113-117
Specific gravity (g/ml)	1.057
Solubility	Soluble in thiophene, Toluene and n-hexane
Purity	> 95 % (by supplier)
Supplier	Fluka


* From Suppliers

Table A.7 Properties of 2,6-lutidine*

Formula	C_7H_9N
Structure	
Chemical name	2,6-dimethylpyridine
Physical property	
Molecular weight (g/mol)	107.12
Form	liquid
Color	yellow
Boiling point (°C)	142-145
Specific gravity (g/ml)	0.923
Solubility	Soluble in thiophene, Toluene and n-hexane
Purity	> 98 % (by supplier)
Supplier	Fluka

* From Suppliers

Table A.8 Properties of Pyrrole*

Formula	C_4H_4N
Structure	
Chemical name	Pyrrole
Physical property	
Molecular weight (g/mol)	67.09
Form	liquid
Color	yellow-brown
Boiling point (°C)	129-131
Specific gravity (g/ml)	1.093
Solubility	Soluble in thiophene, Toluene and n-hexane
Purity	> 96 % (by supplier)
Supplier	Fluka

* From Suppliers

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