

APPENDIX I

IMPCA METHANOL REFERENCE SPECIFICATIONS

TEST	IMPCA SPECS	
	Spec	Method
Appearance	Clear and Free of Suspended Matter	IMPCA 003-98
Purity, % WT on dry basis	Min. 99.85	IMPCA 001-02
Acetone mg/kg	Max 30	IMPCA 001-02
Colour, Pt-Co	Max. 5	ASTM D 1209-05
Water % W/W	Max. 0.1	ASTM E 1064-05
Distillation Range at 760 mm Hg	Max. 1.0 °C to incl. 64.6°C ± 0.1°C	ASTM D1078-05
Specific Gravity, 20°/20°	0.791 – 0.793	ASTM D 4052-09
Potassium Permanganate, Time Test @ 15° C, minutes	Minimum 60	ASTM D 1363-06
Ethanol, Mg/Kg	Max. 50	IMPCA 001-02
Chloride as Cl ⁻ , Mg/kg	Max. 0.5	IMPCA 002-98
Sulphur, Mg/kg	Max. 0.5	ASTM D 3961-98 or ASTM D5453-09
Hydrocarbons	Pass test	ASTM D 1722-09
Carbonisable Substances (Sulphuric Acid Wash Test), Pt-Co Scale	Max. 30	ASTM E 346-08
Acidity as Acetic Acid, Mg/kg	Max. 30	ASTM D 1613-06
Total Iron, Mg/kg	Max. 0.1	ASTM E 394-09
Non-Volatile Matter, Mg/1000ml	Max. 8	ASTM D 1353-09

(August 2013)