

## METHANOL SPECIFICATION

NO.	TEST	UNIT	LIMITED	METHOD
1	Appearance	-	Clear and free of suspended matter*	IMPCA 003-98
2	Purity	% w/w	Min 99.85	IMPCA 001-14
3	Water	% w/w	Max 0.1	ASTM-E1064
4	SP-GR-at 20/20°C	-	0.791-0.793	ASTM-D4052
5	Ethanol	% w/w	Max 0.0050	IMPCA 001-14
6	Acetone	% w/w	Max 0.0030	IMPCA 001-14
7	Permanganate time test	Minutes	Min 60'	ASTM-D1363
8	Distillation Range	°C	Max 1.0°C to include 64.6°C ±0.1 at 760 mmHg	ASTM-D1078
9	Acidity (as acetic acid)	% w/w	Max 0.003	ASTM-D1613
10	Total Iron	ppm	Max 0.1	ASTM-E394
11	Choloride	ppm	Max 0.2	ASTM-D512
12	TMA	pp <sup>b</sup>	Max 40	ASTM-E346
13	Carbonisable	Pt-Co	Max 30	ASTM-E346
14	Hydrocarbons (Water Miscibility)	-	Passes TEST	ASTM-D1722
15	Odour	-	Characteristic with nonresidul Odour	ASTM-D1296
16	Colour	Pt-Co	Max 5	ASTM-D1209
17	Alkalinity as NH <sub>3</sub>	% w/w	Max 0.003	ASTM-D1614
18	Non-Volatile Mater	mg/1000mL	Max 8	ASTM-D1353
19	Sulfur	ppm	Max 0.5	ASTM-D5453