

## METHANOL PRODUCT SPECIFICATION

Analytical Parameter	Method	Unit	Value
Appearance	IMPCA 003-98	-	CFSM
Purity on Dry Basis	IMPCA 001-14	wt%	Min 99.85
Acetone content	IMPCA 001-14	mg/kg	Max 30
Ethanol	IMPCA 001-14	mg/kg	Max 50
Color Pt-Co	ASTM D 1209-11	Pt-Co	Max 5
Water	ASTM E 1064-12	wt%	Max 0.1
Distillation Range at 760 mm Hg	ASTM D 1078-11	°C	Max 1.0
Initial Boiling Point (IBP)	ASTM D 1078-11	°C	Max 64.7
Dry point (DP)	ASTM D 1078-11	°C	Min 64.5
Specific Gravity@20°/20° °C	ASTM D 4052-11	-	0.791 – 0.793
PTT at 15°C	ASTM D 1363-11	Minutes	Min 60
Chloride as Cl-	IMPCA 002-98	mg/kg	Max 0.5
Sulphur	ASTM D 5453-12	mg/kg	Max 0.5
Hydrocarbons	ASTM D 1722-09	Visual	Pass test
Carbon sable Substances (Sulfuric Acid Wash)	ASTM E 346-08	Pt-Co	Max 30
Acidity as Acetic Acid	ASTM D 1613-12	mg/kg	Max 30
Total Iron	ASTM E 394-09	mg/kg	Max 0.1
Non Volatile Matter	ASTM D 1353-13	mg/1000ml	Max 8

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### Quality Assurance Department

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