

CERTIFICATE OF ANALYSIS

PRODUCT : METHANOL

TEST	UNIT	METHODE	RESULT
Acetone	mg/kg	IMPCA 001-14	< 30
Acidity as Acetic Acid	mg/kg	ASTM D 1613 - 12	16.58
Amonity as NH3	mg/kg	ASTM D 1614 - 09	NIL
Appearance	-	IMPCA 003 - 98	Clear, free from suspended matter
Carbonizable Substance	Pt-Co Scale	ASTM E 346 - 08	5.0
Chloride as Cl	mg/kg	IMPCA 002 - 98	0.059
Color	Pt-Co Scale	ASTM D 1208 - 11	< 2.5
Distillation Range	°C	ASTM D 1078 - 11	-
IBP			64.6
Range			0.30
FBP			64.90
Ethanol	mg/kg	IMPCA 001 - 14	5.35
Hydrocarbon	-	ASTM D 1722 - 09	Pass Test
Nonvolatile Matter	mg/1000 ml	ASTM D 1353 - 13	NIL
Odd	-	ASTM D 1296 - 12	Characteristic, free of foreign odd
Purity	-	IMPCA 001 - 14	99.98 %
Permanganate Time	minute	ASTM D 1363 - 11	97
Specific Grafity	20/20 °C	ASTM D 4052 - 11	0.7926
In Methyl Amine	mg/kg	ASTM E 346 - 09	< 0.005
Iron	mg/kg	ASTM E 394 - 08	0.033
Water Content	% wt	ASTM E 1064 - 12	0.00569
Sulphur	mg/kg	ASTM D 5453 - 12	NIL

Remark:
Manufacturer :
**this certificate refers to COA maker*

PT. Chemindo Multi Indosukses

