

**CERTIFICATE OF ANALYSIS**

Product Name : Methanol  
 Batch No. : 01D060218  
 Formula : CH<sub>3</sub>OH  
 Cas No : 67-56-1  
 Date Of Analysis : February 09,2018

NO.	ITEM TEST	UNITS	METHOD	SPECIFICATION	RESULT
1.	Appearance	–	Visual	Clear and free of suspended matter	Clear and free of suspended matter
2.	Color	Hazen	ASTM D-1209	max 10	< 10
3.	Specific Gravity at 20 <sup>0</sup> C	–	ASTM D-891	0.789 – 0.793	0.793
4.	Methanol Purity	wt %	By GC	Min 99.50	99.978
5.	Water Content	wt %	By KF	Max 0.2	0.200
6.	Odour	–	Visual	Characteristic, free of foreign odor	Characteristic, free of foreign odor
7.	Acidity ( as CH <sub>3</sub> COOH )	wt %	ASTM D-1613	max 0.003	0.0008
8.	Acetone content	wt %	By GC	max 0.003	NIL
9.	Ethanol content	wt %	By GC	max 0.1	NIL
10.	Non-Volatile matter	wt %	ASTM D-1353	max 0.001	0.001
11.	Distillation, IBP	°C	ASTM D-1078	min 63.9	63.9
12.	Distillation , DP	°C	ASTM D-1078	max 67.1	67.1
13.	Hydrocarbon	–	By Spectro	passes test	Passes test
14.	Permanganate Time @ 15°C	Minute	ASTM D-1363	min 50	50

Remark : This Certificate refers to the lested sample only and item test for IBP, DP, result based on COA maker

PT. Pancasakti Putra Kencana



SUDIRO S.Si.  
 Quality Control