

Our Ref : ITSPK/LB/3317/2012
Date : 20th June 2012

CERTIFICATE OF ANALYSIS

Representing : PureCircle Sdn. Bhd.
PT 23419, Lengku Teknologi, Techpark@ENSTEK, 71760 Bandar ENSTEK,
Negeri Sembilan

The following is a report on the analysis of one (1) sample stated to be **METHANOL** received
on 14th June 2012 with details as follow:

Sample ID : MEOH 08-ML-516

Result of Analysis

<u>No</u>	<u>Test Parameter</u>	<u>FCC Requirements</u>	<u>Result</u>
1.	Assay	> 99.85 %wt	> 99.85
2.	Acetone and Aldehydes	< 0.003 %	< 0.003
3.	Acidity(as formic acid)	< 0.0015 %	< 0.0015
4.	Alkalinity (as NH ₃)	3 mg / kg	< 3
5.	Distillation Range	1 °C, Including 64.6 °C	0.6
6.	Lead	< 1.0 ppm max	< 1
7.	Nonvolatile Residue	< 10 mg / kg	< 10
8.	Readily Carbonizable Substances	Passes	Passes
9.	Solubility in water	Passes	Passes
10.	Substances Reducing Permanganate	Passes	Passes
11.	Water	< 0.1 %	0.06

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