



### CERTIFICATE OF ANALYSIS

Product Name : Solvent IPA Food  
Batch No. : 050220  
Formula : C<sub>2</sub>H<sub>5</sub>OH  
Cas No : 64-17-5  
Date Of Analysis : Okt 07,2020

NO.	ITEM TEST	UNITS	METHOD	SPECIFICATION	RESULT
1.	Appearance	–	Visual	Clear Colourless Liquid	Clear Colourless Liquid
2.	Colour	Hazen	ASTM D-1209	max 10	< 10
3.	Wt. Per ml at 20 °C	g/cm <sup>3</sup>	ASTM D-891	0.8051 – 0.8124	0.8055
4.	Alcohol Content	wt %	By GC	min 95.1	94.418
5.	Total Alcohol Content	v/v %	By Alcoholmeter	min 96.0	96.0
6.	Water Content	wt %	By KF	–	5.582
7.	Odour	–	Visual	Characteristic odor	Characteristic odor
8.	Acidity ( as CH <sub>3</sub> COOH )	ppm	ASTM D-1613	max 15	7.0
9.	Non-Volatile matter	wt %	ASTM D-1353	max 0.0015	0.0015
10.	Mixcibility with water	–	–	passes test	Passes test
11.	Acetaldehyde	ppm	GC	max 10	Nil
12.	Ethyl Acetate	ppm	GC	max 20	Nil
13.	Methanol	wt %	GC	max 0.01	Nil
14.	Higher Alcohol	ppm	GC	max 50	10.0
15.	Benzene	ppm	GC	max 2.0	Nil

Remark:  
This certificate refers to COA maker/ supplier and the tested sample only

PT. Pancasakti Putra Kencana



SUDIRO S.Si  
Quality Control