



### CERTIFICATE OF ANALYSIS

Product Name : Cyclohexanone  
Batch No. : CYC201706006  
Formula : C<sub>6</sub>H<sub>10</sub>O  
Cas No : 108-94-1  
Date Of Product : June 10 ,2017

NO.	ITEM TEST	UNITS	METHODS	SPECIFICATION	RESULT
1.	Appearance	-	Visual	Clear colorless liquid	Clear colorless liquid
2.	Assay	wt %	GC	min 99.8	99.90
3.	Specific Gravity at 20 °C	g/cm <sup>3</sup>	ASTM D-891	0.945 – 0.947	0.946
4.	Colour	Hazen	ASTM D-1209	max 10	< 10
5.	Water (H <sub>2</sub> O)	wt %	By KF	max 0.05	0.0296
6.	Non-volatile matter	wt %	ASTM D-1353	max 0.002	0.0003
7.	Acidity (HCOOH)	wt %	ASTM D-1613	max 0.005	0.002
8.	Phenol Conten	ppm	GC	max 5	NIL
9.	Cyclohexanol	wt %			NIL

Remark :

This Certificate refers to COA maker

PT. Pancasakti Putra Kencana



SUDIRO S.Si.  
Quality Control