



### CERTIFICATE OF ANALYSIS

Product Name : Caustic Soda Liquid 48%  
Batch No. : 040118  
Formula : NaOH  
Cas No : 1310-73-2  
Date Of Analysis : Sept 03,2020

NO.	ITEM TEST	UNITS	METHOD	SPECIFICATION	RESULT
1.	Appearance	-	Visual	Clear viscous liquid	Clear viscous liquid
2.	Density at 30 °C	g/ml	Hydrometer	min 1.500	1.503
3.	Purity (as NaOH)	wt %	By Volumetry	min 48.0	48.525
4.	Carbonate ( as Na <sub>2</sub> CO <sub>3</sub> )	wt %	By Volumetry	max 0.12	0.110
5.	Chloride ( as NaCl)	wt %	By Volumetry	max 0.01	0.0066
6.	Sulphate ( as Na <sub>2</sub> SO <sub>4</sub> )	wt%	Ion Chromatograph	max 0.01	0.00038
7.	Iron (Fe)	ppm	Spectrofotometry	max 15	12
8.	Silica (as SiO <sub>2</sub> )	ppm	Spectrofotometry	max 20	15
9.	Chlorate (as NaClO <sub>3</sub> )	ppm	Ion Chromatograph	max 65	50

Remark:  
This certificate refers to COA Maker

PT. Pancasakti Putra Kencana



SUDIRO S.Si.  
Quality Control