



### CERTIFICATE OF ANALYSIS

Product Name : Hydrochloric Acid 32%  
Batch No. : H07160216B  
Formula : HCl  
Cas No : 7647-01-0  
Date Of Analysis : March 18,2016

NO.	ITEM TEST	UNITS	METHOD	SPECIFICATION	RESULT
1.	Appearance	-	Visual	Clear to light yellow	Light yellow
2.	Colour	Hazen	ASTM D-1209	max 30	< 30
3.	Specific Gravity at 30 °C	-	By Hydrometer	~ 1.161	1.161
4.	Purity as HCl	wt %	SNI 06-2557-	31.5 – 33.1	32.5
5.	Non-volatile residu	wt %	1992 Method	max 0.1	0.01
6.	Sulfate ( as H <sub>2</sub> SO <sub>4</sub> )	wt %		max 0.025	< 0.025
7.	Arsenic (as AS <sub>2</sub> O <sub>3</sub> )	wt %		max 0.0002	< 0.0002
8.	Heavy metas (as Pb)	wt %		max 0.0005	< 0.0005
9.	Iron (as Fe <sub>2</sub> O <sub>3</sub> )	wt %		max 0.004	< 0.004
10.	Free Chlorine (as Cl <sub>2</sub> )	wt %		max 0.005	< 0.005
11.	Sulfite (as SO <sub>3</sub> )	wt %		max 0.01	< 0.01

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

PT. Pancasakti Putra Kencana



SUDIRO S.Si.  
Quality Control