

## WORK INSTRUCTION

## Incoming Raw Latex Testing : KOH No. test (Titration)

Purposes/Function/Objective

- To determine KOH No inside the latex

Materials/ Chemicals/Tools/Equipment

1. Phenophtalein indicator
2. 2.5M HCL
3. 100ml Conical Flask
4. Measuring Cylinder
5. Burette

Specification

- determination of KOH No.

$$= \frac{v \times f_2 \times c}{m}$$

$$= \frac{v \times 5.611 \times 2.5}{10 \text{ ml}}$$

which is,

v = volume of titration

$f_2$  = factor 5.611 for HCL acid

c = Concentration, moles of HCL

m = quantity of sample

Form/s:

- LA/F08

References :

- ISO 127

(Effective Date : 02/05/2011)

Procedures

Weigh 5.0 g latex into conical flask



Add 100mL distilled water into the sample



Take 10mL sample into measuring cylinder



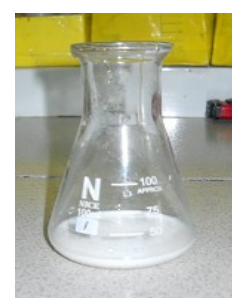
Transfer 10mL sample into other conical flask



Add 2-3 drops of Phenolphthalein indicator



Titrate with 2.5M HCL



End point : from pink to white

7 Calculation :  
determination of KOH no  
 $\frac{v \times 5.611 \times 2.5}{10 \text{ ml}}$

Prepared by:	Verified by:	Approved by:
Noor Azura Binti Azman	Al-Fadilah Mohamad	Noor Akilah Saidin
QA/MQC Asst Supervisor	QA Executive II	QA Deputy General Manager