

$\text{Al}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$  (50 g) + DI water (50 mL) => 73.25 mL of saturated aluminum sulfate solution



The suspended particles ( hydrolytes of  $\text{Al}^{+3}$  ) filtered out by the Teflon filter.



16.115 g of hyperfine powder of  $\text{NH}_4\text{HCO}_3$  added to the above solution.



74.72 mL of thick aqueous solution is obtained



Diluted with DI water in ratio of 1:11 until the pH becomes 3.75 and filtered with 0.22um teflon filter

- Salt will be weighed in the Micro 1 Weighing machine

### Precautions:

- While using  $\text{NH}_4\text{HCO}_3$  , strong oxidizing agents like  $\text{H}_2\text{O}_2$  should not be used in Wet bench