



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : AMMONIUM MOLYBDATE TETRAHYDRATE AR**

**CAS No** : 12054-85-2  
**Mol. Formula** :  $(\text{NH}_4)_6\text{Mo}_7\text{O}_{24} \cdot 4\text{H}_2\text{O}$   
**Mol. WT** : 1235.90  
**Date of analysis** : 23/07/24

**Product code** : 21680  
**Batch No.** : MCAR-00409  
**Mfd.** : July 2024  
**Exp.** : June 2029

| S.R | Test                                               | Specification                                    | Observation               |
|-----|----------------------------------------------------|--------------------------------------------------|---------------------------|
| 1   | Description                                        | Colourless crystals or white crystalline powder. | White crystalline powder. |
| 2   | Assay                                              | 99.0% min                                        | 99.55%                    |
| 3   | Insoluble matter                                   | 0.005% max                                       | 0.003%                    |
| 4   | Chloride (Cl)                                      | 0.0005% max                                      | <0.0005%                  |
| 5   | Arsenate, Phosphate, Silicate(as PO <sub>4</sub> ) | 0.0005% max                                      | <0.0005%                  |
| 6   | Nitrate (NO <sub>3</sub> )                         | 0.002% max                                       | <0.002%                   |
| 7   | Sulphate (SO <sub>4</sub> )                        | 0.005% max                                       | <0.005%                   |
| 8   | Copper (Cu)                                        | 0.001% max                                       | <0.001%                   |
| 9   | Iron (Fe)                                          | 0.001% max                                       | <0.001%                   |
| 10  | Lead (Pb)                                          | 0.001% max                                       | <0.001%                   |

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**CHEMIST**  
**(Swati)**

**[QC Incharge]**

**HEAD-QUALITY ASSURANCE**  
**(G.G.Salian)**

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