



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : POTASSIUM HYDROXIDE PELLETS AR**

|                         |                    |                     |                     |
|-------------------------|--------------------|---------------------|---------------------|
| <b>CAS No</b>           | <b>: 1310-58-3</b> | <b>Product code</b> | <b>: 24960</b>      |
| <b>Mol. Formula</b>     | <b>: KOH</b>       | <b>Batch No</b>     | <b>: MCR-27962</b>  |
| <b>Mol. WT</b>          | <b>: 56.11</b>     | <b>Mfd.</b>         | <b>: March 2023</b> |
| <b>Date of analysis</b> | <b>: 25/03/23</b>  | <b>Exp.</b>         | <b>: Feb. 2028</b>  |

| S.R | Test                                          | Specification               | Observation                 |
|-----|-----------------------------------------------|-----------------------------|-----------------------------|
| 1   | Description                                   | White deliquescent pellets. | White deliquescent pellets. |
| 2   | Assay                                         | 85.0 % w/w min              | 85.23 % w/w                 |
| 3   | Water insoluble matter                        | 0.01% max                   | 0.01%                       |
| 4   | Carbonate(as K <sub>2</sub> CO <sub>3</sub> ) | 1.0% max                    | 0.33%                       |
| 5   | Chloride (Cl)                                 | 0.002% max                  | <0.002%                     |
| 6   | Sulphate(SO <sub>4</sub> )                    | 0.003% max                  | < 0.003%                    |
| 7   | Phosphate(PO <sub>4</sub> )                   | 0.0005% max                 | <0.0005%                    |
| 8   | Silicate(SiO <sub>2</sub> )                   | 0.005% max                  | <0.005%                     |
| 9   | Nitrate (NO <sub>3</sub> )                    | 0.001%max                   | <0.001%                     |
| 10  | Ammonium(NH <sub>4</sub> )                    | 0.0005% max                 | <0.0005%                    |
| 11  | Lead (Pb)                                     | 0.0005% max                 | <0.0005%                    |
| 12  | Iron (Fe)                                     | 0.0005% max                 | <0.0005%                    |
| 13  | Aluminium(Al)                                 | 0.001% max                  | <0.001%                     |
| 14  | Calcium (Ca)                                  | 0.001% max                  | <0.001%                     |
| 15  | Nickel(Ni)                                    | 0.0005% max                 | < 0.0005%                   |
| 16  | Sodium(Na)                                    | 0.5% max                    | <0.5%                       |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Priyanka)**

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

**Note:** Computer generated image requires no sign.

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