

## Certificate of Analysis



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FORM NO. FRM-01888 Rev2

|                          |                         |                                |             |
|--------------------------|-------------------------|--------------------------------|-------------|
| <b>Description:</b>      | Potassium Hydroxide 20% |                                |             |
| <b>Item Code:</b>        | 201-0108                | <b>Packaging Size</b>          | 1000 LT IBC |
| <b>Batch No:</b>         | 10904254103K            | <b>Customer/FUJIFILM spec:</b> | KMG_3116.1  |
| <b>Manufacture Date:</b> | 09-Apr-2025             | <b>Customer Part Number:</b>   | NA          |
| <b>Expiry Date:</b>      | 09-Apr-2027             | <b>Grade:</b>                  | VLSI        |

| Parameter                               | Min   | Max    | Unit | Result |
|-----------------------------------------|-------|--------|------|--------|
| Assay (KOH)                             | 19.20 | 21.20  | %    | 20.3   |
| Molarity                                | 4.10  | 4.50   | M    | 4.23   |
| Assay (K <sub>2</sub> CO <sub>3</sub> ) |       | 0.10   | %    | <0.10  |
| NH <sub>4</sub> OH Precipitate          |       | 20000  | ppb  | <20000 |
| Insoluble Matter                        |       | 6000   | ppb  | <6000  |
| Chloride (Cl)                           |       | 2000   | ppb  | <2000  |
| Phosphate (PO <sub>4</sub> )            |       | 400    | ppb  | <400   |
| Sulfate (SO <sub>4</sub> )              |       | 2000   | ppb  | <2000  |
| Silver (Ag)                             |       | 1000   | ppb  | <100   |
| Aluminum (Al)                           |       | 1000   | ppb  | <100   |
| Antimony (Sb)                           |       | 500    | ppb  | <50    |
| Arsenic (As)                            |       | 500    | ppb  | <50    |
| Bismuth (Bi)                            |       | 500    | ppb  | <50    |
| Calcium (Ca)                            |       | 3000   | ppb  | <300   |
| Cadmium (Cd)                            |       | 500    | ppb  | <50    |
| Cobalt (Co)                             |       | 50     | ppb  | <5     |
| Chromium (Cr)                           |       | 100    | ppb  | 10     |
| Copper (Cu)                             |       | 50     | ppb  | <5     |
| Iron (Fe)                               |       | 400    | ppb  | 44     |
| Mercury (Hg)                            |       | 20     | ppb  | 10     |
| Magnesium (Mg)                          |       | 300    | ppb  | <30    |
| Manganese (Mn)                          |       | 150    | ppb  | <15    |
| Sodium (Na)                             |       | 500000 | ppb  | 169740 |
| Nickel (Ni)                             |       | 400    | ppb  | <40    |
| Lead (Pb)                               |       | 500    | ppb  | <50    |
| Tin (Sn)                                |       | 500    | ppb  | <50    |
| Zinc (Zn)                               |       | 150    | ppb  | <15    |

Remarks: Packagin Size 1100Ltr IBC

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**Approved on:** 13-May-2025

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This certificate of analysis is electronically issued and is valid without signature