

388 – POTASSIUM DICHROMATE, AR GRADE

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| REF NO: TBL/QA/SS/LC/388 | STANDARD SPECIFICATION FOR POTASSIUM DICHROMATE, AR GRADE | Rev. No: 03 |
| Issue No: 04 | | Review Date: 27/10/2024 |
| Issue Date: 28/10/2021 | | Product code: 388 |

PRODUCT PROPERTIES

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| C.A.S Number | 7778-50-9 |
| Chemical Formula | $K_2Cr_2O_7$ |
| Formula weight | 294.18 |
| Functional Uses | Potassium dichromate may be used in the preparation of hybride polymer-clay Nano composite supported dichromate reagents. It may also be used as an oxidant for the selective oxidation of primary and secondary alcohol to corresponding aldehydes and ketones, respectively. |
| Standard Packaging | 500 gm, & 50 kg |

PHYSICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION |
|-------------------|----------------------------|
| Appearance | Orange crystalline powder. |

CHEMICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION |
|-----------------------------|---------------|
| pH | 3.5 – 5.0 |
| Moisture | NMT- 0.04% |
| Chloride (Cl) | NMT- 0.001% |
| Sulphate (SO ₄) | NMT – 0.002% |
| Calcium (Ca) | NMT- 0.0001% |
| Sodium (Na) | NMT- 0.01% |
| Assay | NLT- 99.0% |

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

