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| --- | --- | --- | --- |
| **S.no** | **Description** | **UOM** | **Specification** |
|  | Physical State / Color | - | Liquid/colorless |
|  | Assay Content | % | 68 |
|  | Grade | - | AR |
|  | Mol. Wt. | g/mol | 63.01 |
|  | **Element** | **%** | **Percentage** |
|  | Nitric Acid (HNO3) | % | 68 |
|  | Sulphates (SO4) | % | 0.0002 |
|  | Chlorides (Cl) max. | % | 0.00005 |
|  | content of phosphates (PO4) | % | 0.0001 |
|  | Iron (Fe) | % | 0.00002 |
|  | Heavy Metals (Pb) | % | 0.00002 |
|  | Specific gravity | g/ml | 1.42 |
|  | Melting point | °C | -42 |
|  | Boiling point | °C | 83 |
|  | Supplier | - | Sneha Scientific |
|  | MSDS no. | - | XXX |
|  | CAS no. | - | 7697-37-2 |
|  | **Acceptance Criteria** | | |
|  | Visual Acceptance | - | Clear colorless liquid |
|  | Assay Content | % | 68 ± 2 |
|  | Boiling point | °C | 83 ± 2 |
|  | **Properties** | **Test Method** | **Test Agency** |
|  | Purity Analysis | NMR/COC | NABL, IIT-HYD/CMET |