

PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

CERTIFICATE OF ANALYSIS

Product Name : Formaldehyde Solution 37 % AR

Mol. Formula : HCHO

Mol. Weight : 30.03 g/mol

Catalog No. : A-1042

Cas No : 50-00-0

Batch No. : 280323001

Mfg. Date : March, 2023

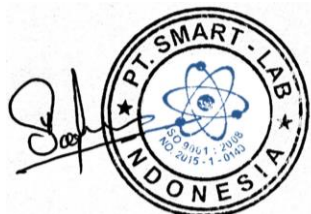
Exp. Date : March, 2026



| NO. | TESTS | UNITS | SPECIFICATIONS | RESULTS |
|-----|---|-------------------|------------------------|------------------------|
| 1. | Appearance | – | Clear colorless liquid | Clear colorless liquid |
| 2. | Assay (Acidimetric after oxidation) | wt % | 36.5 – 38.0 | 37.359 |
| 3. | Wt. Per ml at 20 °C | g/cm ³ | 1.075 – 1.090 | 1.087 |
| 4. | Colour | Hazen | max 10 | < 10 |
| 5. | Residue after ignition | wt % | max 0.005 | 0.0030 |
| 6. | Titrate acid | meq/g | max 0.006 | 0.0042 |
| 7. | Chloride (Cl) | wt % | max 0.0005 | < 0.0005 |
| 8. | Sulphate (SO ₄) | wt % | max 0.002 | < 0.002 |
| 9. | Iron (Fe) | wt % | max 0.0005 | < 0.0005 |
| 10. | Heavy Metals (as Pb) | wt % | max 0.0005 | < 0.0005 |
| | Note: Stabilized with 9% to 15% Methanol | | | |

Result: The above product corresponds to AR Grade, **Confirms BP, USP Specifications**

Reference or standard of product specification to Analar standard and ACS specification



Yuvraj Sagvekar
Manager QC