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Certificate of Analysis

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|---------------------------------|--|
| Product | 83642 - Tetrahydrofuran (THF) (Stabilized) extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5% - [109-99-9] |
| Batch No | 8315917 |
| Analysis Date | 29-Feb-2024 |
| Date of Manufacture | February 2024 |
| Expiry Date/Re-Test Date | February 2029 |
| Molecular Formula | C ₄ H ₈ O |
| Molecular Weight | 72.11 |

| Test Parameters | Standards | Actual Results |
|---|---|------------------|
| ExiPlus | meets compendial specs of USP, BP, Ph.Eur | Complies |
| Appearance (Clarity) | Clear | Clear |
| Appearance (Colour) | Colourless | Colourless |
| Appearance (Form) | Liquid | Liquid |
| Colour (APHA) | max. 10 | Passes |
| Solubility with water | Clear colourless | Clear colourless |
| Assay (GC) | min. 99.5% | 99.91% |
| Density (g/ml) @ 20°C | 0.886-0.888 | 0.886 |
| Refractive Index (20°C) | 1.406-1.408 | 1.406 |
| Boiling Range | 65-67°C | 65-67°C |
| Non Volatile Matter | max. 0.001% | 0.0003% |
| Acidity (CH ₃ COOH) | max. 0.001% | 0.0005% |
| Peroxide (H ₂ O ₂) | max. 0.005% | 0.005% |
| Iron (Fe) | max. 0.00001% | Passes |
| Heavy Metals (Pb) | max. 0.00002% | Passes |
| Copper (Cu) | max. 0.00001% | Passes |
| Alkaline earths (Ca) | max. 0.00002% | Passes |
| Alkali metals (Na) | max. 0.00002% | Passes |
| Water (KF) | max. 0.03% | 0.03% |
| Stabilizer | 0.025% di-tert butyl-p-cresol | Present |

FRM/82/11/2/83642 Rev No. 2 Date 29/07/2018

Prepared by **Rganesh**

In compliance with the standard specifications of SRL

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