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# Certificate of Analysis

|                                 |  |
|---------------------------------|--|
| <b>Product</b>                  | <b>23947 - Trifluoroacetic Acid (TFA) for HPLC &amp; Sequencing, 99.9% - [76-05-1]</b> |
| <b>Batch No</b>                 | <b>3411912</b>   |
| <b>Analysis Date</b>            | 10-Mar-2024  |
| <b>Date of Manufacture</b>      | March 2024   |
| <b>Expiry Date/Re-Test Date</b> | March 2029   |
| <b>Molecular Formula</b>        | C <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>  |
| <b>Molecular Weight</b>         | 114.02   |

| Test Parameters                                       | Standards          | Actual Results     |
|---|--------------------|--------------------|
| Appearance (Clarity)                                  | Clear              | Clear              |
| Appearance (Colour)                                   | Colourless, fuming | Colourless, fuming |
| Appearance (Form)                                     | Liquid             | Liquid             |
| Assay (T)   | min. 99.9%         | 99.96%             |
| Density (g/ml) @ 20°C                                 | 1.492-1.494        | 1.492              |
| Water (KF)  | max. 0.05%         | 0.01%              |
| Absorbance of sample in 1cm cell v/s H <sub>2</sub> O |                    | .                  |
| @260nm  | max. 0.9           | 0.7924             |
| @270nm  | max. 0.1           | 0.0491             |
| @280nm  | max. 0.05          | 0.0066             |
| @290nm  | max. 0.04          | 0.0062             |
| @300nm  | max. 0.03          | 0.0056             |
| @320nm  | max. 0.025         | 0.0054             |

FRM/82/11/2/23947 Rev No. 3 Date 11/02/2019

Prepared by Ashish

In compliance with the standard specifications of SRL

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