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**CERTIFICATE OF ANALYSIS****SU0165\_24987313/1**

|         |                                         |                      |            |
|---------|-----------------------------------------|----------------------|------------|
| Product | Dimethyl sulfoxide, GC head space grade | Batch                | 24987313   |
| SU0165  |                                         | Quality release date | 12/07/2024 |
|         |                                         | Expiry date          | 07/2027    |

| Analysis                                    | Batch value     | Specifications  |
|---------------------------------------------|-----------------|-----------------|
| Assay (G.C.)                                | 99,99 %         | ≥ 99,9          |
| Refractive index n20/D                      | 1,4795          | 1,477 - 1,480   |
| Water (K.F.)                                | 0,0133 %        | ≤ 0,04          |
| Class 1 according to ICH less than 0,5 ppm. |                 |                 |
| Benzene                                     | absence of peak | absence of peak |
| Class 2 and class 3 solvents:               |                 |                 |
| Dichloromethane                             | ≤ 0,6 mg/L      | ≤ 0,6           |
| tert-Butyl methyl ether                     | ≤ 1 mg/L        | ≤ 1             |
| Acetone                                     | ≤ 1 mg/L        | ≤ 1             |
| Methanol                                    | ≤ 1 mg/L        | ≤ 1             |
| Tetrahydrofuran                             | ≤ 0,7 mg/L      | ≤ 0,7           |
| n-Hexane                                    | ≤ 0,3 mg/L      | ≤ 0,3           |
| Ethyl acetate                               | ≤ 1 mg/L        | ≤ 1             |
| Ethanol                                     | ≤ 1 mg/L        | ≤ 1             |
| Cyclohexane                                 | ≤ 1 mg/L        | ≤ 1             |
| Acetonitrile                                | ≤ 0,4 mg/L      | ≤ 0,4           |
| 2-Propanol                                  | ≤ 1 mg/L        | ≤ 1             |
| Isopropyl acetate                           | ≤ 1 mg/L        | ≤ 1             |
| n-Propanol                                  | ≤ 1 mg/L        | ≤ 1             |
| n-Heptane                                   | ≤ 1 mg/L        | ≤ 1             |
| Methylcyclohexane                           | ≤ 1 mg/L        | ≤ 1             |
| 1,4-Dioxane                                 | ≤ 0,4 mg/L      | ≤ 0,4           |
| Toluene                                     | ≤ 0,9 mg/L      | ≤ 0,9           |
| Pyridine                                    | ≤ 1 mg/L        | ≤ 1             |
| n-Butanol                                   | ≤ 1 mg/L        | ≤ 1             |
| Butyl acetate                               | ≤ 1 mg/L        | ≤ 1             |
| Ethylbenzene                                | ≤ 1 mg/L        | ≤ 1             |
| p-Xylene                                    | ≤ 1 mg/L        | ≤ 1             |
| m-Xylene                                    | ≤ 1 mg/L        | ≤ 1             |
| o-Xylene                                    | ≤ 1 mg/L        | ≤ 1             |
| Other class 2 solvents                      | ≤ 10 mg/L       | ≤ 10            |
| Other class 3 solvents                      | ≤ 50 mg/L       | ≤ 50            |

Suitable for residual solvent analysis according to guideline CPMP/ICH/283/95, PhEur and USP.

For laboratory use only.