

# Certificate of Analysis

## Reference Material

|                      |                    |                          |                                           |
|----------------------|--------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b> | Nitrobenzene Mix 8 | <b>Catalogue Number:</b> | MCEM590949-ME                             |
| <b>Appearance:</b>   | Colourless Liquid  | <b>Lot Number:</b>       | 1125-RD-0066                              |
| <b>Solvent:</b>      | Methanol           | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Expiry Date:</b>  | Oct 05, 2023       |                          |                                           |

**Chemical Structure:**  
N/A

**Warning:**



| NO. | Component             | CAS No.  | Certified Concentration Value<br>(µg/mL) | Uncertainty<br>(%) |
|-----|-----------------------|----------|------------------------------------------|--------------------|
| 1   | 3-Nitrotoluene        | 99-08-1  | 999.1                                    | 2                  |
| 2   | 2,4,6-Trinitrotoluene | 118-96-7 | 1000.7                                   | 2                  |
| 3   | 2,4-Dinitrotoluene    | 121-14-2 | 1001.7                                   | 2                  |
| 4   | Nitrobenzene          | 98-95-3  | 1000.8                                   | 2                  |
| 5   | 2,6-Dinitrotoluene    | 606-20-2 | 998.3                                    | 2                  |
| 6   | 4-Nitrotoluene        | 99-99-0  | 1001.5                                   | 2                  |
| 7   | 2-Nitrotoluene        | 88-72-2  | 1000.5                                   | 2                  |
| 8   | 1,3,5-Trinitrobenzene | 99-35-4  | 998.4                                    | 2                  |

## Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

**Signature:**

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Aporoved by General manager:

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Date: Jun 06, 2022

Date: Nov 30, 2022

Date: Nov 30, 2022

