

**Certificate of Analysis**

**Product: Methanol 99%**  
**Item Number: MALCMS**  
**Grade: LCMS**  
**Lot Number: 5001578/1.1**  
**Manufacture Date: 08/06/2025**  
**Expiration Date: 08/05/2028**  
**Country of Origin: Venezuela**

| <b>Tested Property</b>                          | <b>Specification</b> | <b>Analysis</b> |
|---|----------------------|-----------------|
| Assay (by GC-FID) (Corrected for Water)         | Min 99.90%           | >99.99          |
| Refractive Index at 20°C                        | 1.3280 - 1.3288      | 1.3286          |
| Water (by KF coulometry)                        | Max 0.05%            | 0.002           |
| Residue after Evaporation                       | Max 1 ppm            | 0.3             |
| LC Gradient elution suitability at              |                      |                 |
| 220nm   | Max 0.005 AU         | <0.005          |
| 254nm   | Max 0.001 AU         | <0.001          |
| Fluorescence at emission maximum for impurities | Max 0.30 ppb         | <0.30           |
| LC-MS Positive mode (as Reserpine)              | Max 50 ppb           | <50             |
| LC-MS Negative mode (as Nitrophenol)            | Max 50 ppb           | <50             |
| Titration Acid                                  | Max 0.0003 meq/g     | 0.0002          |
| Titration Base                                  | Max 0.0002 meq/g     | 0.00002         |
| Aluminum (Al)                                   | Max 50 ppb           | <1              |
| Barium (Ba)                                     | Max 5 ppb            | <1              |
| Cadmium (Cd)                                    | Max 5 ppb            | <1              |
| Calcium (Ca)                                    | Max 50 ppb           | <1              |
| Chromium (Cr)                                   | Max 5 ppb            | <1              |
| Cobalt (Co)                                     | Max 5 ppb            | <1              |
| Copper (Cu)                                     | Max 5 ppb            | <1              |
| Iron (Fe)                                       | Max 5 ppb            | <1              |

Phone: 512-668-9918, Fax: 512-886-4008,  
 E-mail: [customercare@laballey.com](mailto:customercare@laballey.com),  
[www.laballey.com](http://www.laballey.com),

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

© copyright: 2025 Lab Alley

|                |            |    |
|----------------|------------|----|
| Lead (Pb)      | Max 5 ppb  | <1 |
| Magnesium (Mg) | Max 10 ppb | <1 |
| Manganese (Mn) | Max 5 ppb  | <1 |
| Nickel (Ni)    | Max 5 ppb  | <1 |
| Potassium (K)  | Max 10 ppb | <1 |
| Silver (Ag)    | Max 5 ppb  | <1 |
| Sodium (Na)    | Max 50 ppb | <1 |
| Tin (Sn)       | Max 5 ppb  | <1 |
| Zinc (Zn)      | Max 5 ppb  | <1 |

Metal results are at time of packaging and may increase from extraction from the container. Filtered through a 0.2 micron filter.

#### [Methanol 99%](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

Phone: 512-668-9918, Fax: 512-886-4008,  
E-mail: [customercare@laballey.com](mailto:customercare@laballey.com),  
[www.laballey.com](http://www.laballey.com),

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

© copyright: 2025 Lab Alley