

Certificate of Analysis

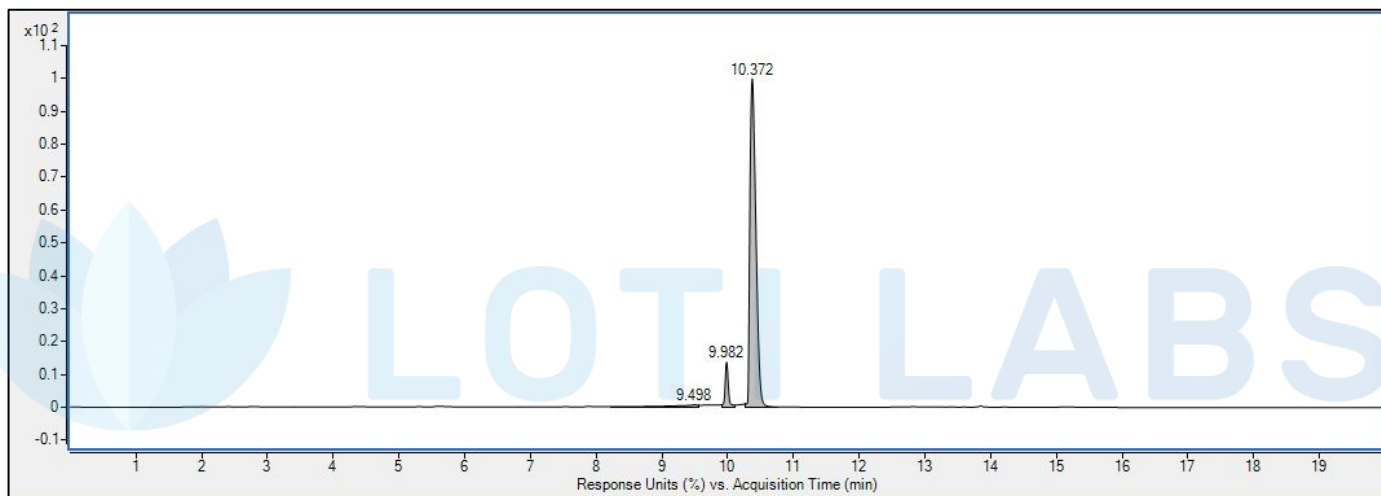
Methylene Blue

(C₁₆H₁₈N₃S⁺)

Client: Loti Labs



High Performance Liquid Chromatography (HPLC) - Purity Test



Note: Salts and Sugars used as buffering agents are not treated as impurities

Chromatogram Peaks

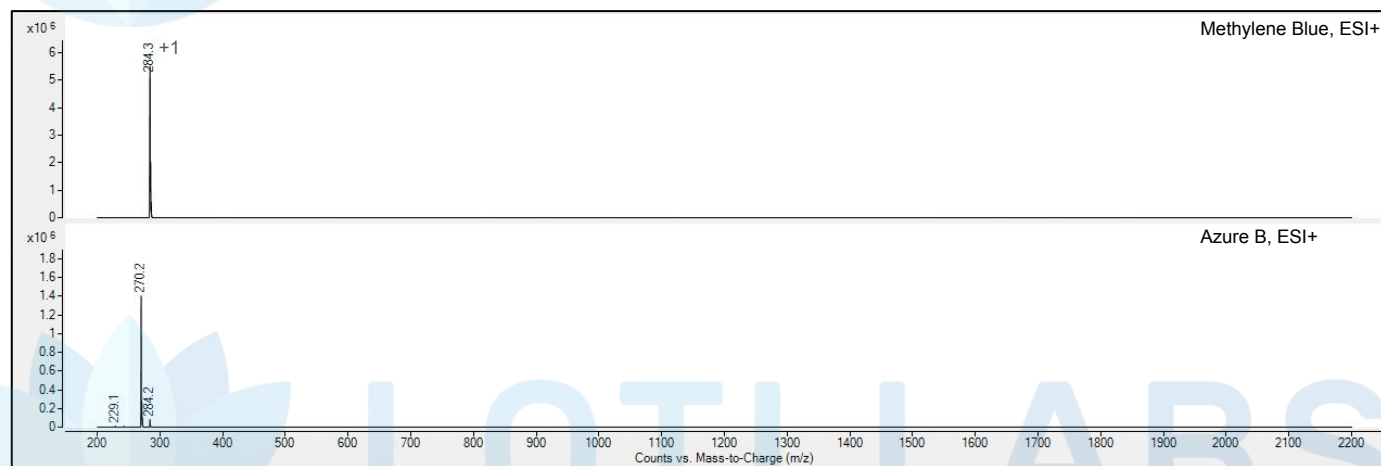
Peak	RT
1.	10.372
2.	9.982
3.	9.498

Item
Methylene Blue
Azure B

Number of detected peaks:

Analytical methods: UV (214-290 nm), HPLC (Purity), and LC-MS (Identity)
Purity: 98.17%
Compound: Methylthioninium
Pubchem CID: 4139
Analysis date: 04/17/2026
Calculated Molecular Mass - 284.3
Quantity: 10.89mg

Mass Spectrometric Analysis



Analysis performed by:
Richard Sylvester MD

Richard Sylvester
LOT-METH-00001