



CERTIFICATE OF ANALYSIS

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1. Identification

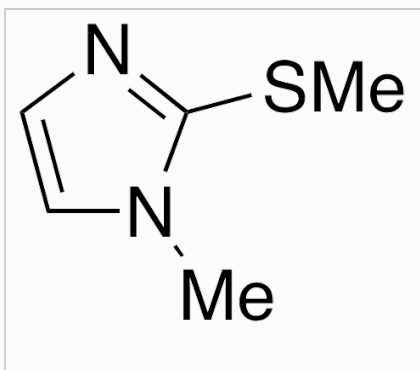
Catalogue Number: M330840

CAS Number: 14486-52-3

Product: 1-Methyl-2-(methylthio)imidazole

Synonym: 1-Methyl-2-(methylthio)imidazole; 2-Methylthio-3-methylimidazole; Methimazole
USP Related Compound C

Structure:



Molecular Formula:

C₅H₈N₂S

Molecular weight:

128.2

Source of Product:

Synthetic

Solubility:

Chloroform (Sparingly),
Methanol (Slightly)

Lot Number: 1-SJK-10-2

Purity: 98%

Shipping Condition: This Product Is Stable To Be
Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|-------------|--------------------------------|---------------------------------------|
| Appearance | Colourless to Light Yellow Oil | Clear Pale Yellow to Light Yellow Oil |
| HPLC Purity | Report Result | 99.68% (225 nm) |
| NMR | Conforms to Structure | Conforms |
| C NMR | Conforms to Structure | Conforms |
| MS | Conforms to Structure | Conforms |

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

| Reviewed By | Reviewed By | C of A Approved By | Test Date | Retest Date |
|--------------|---------------|--------------------|-----------|-------------|
| Swathi Reddy | Toni Rantanen | Chanell Chu | 3/7/2023 | 3/5/2027 |