



## CERTIFICATE OF ANALYSIS

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### 1. Identification

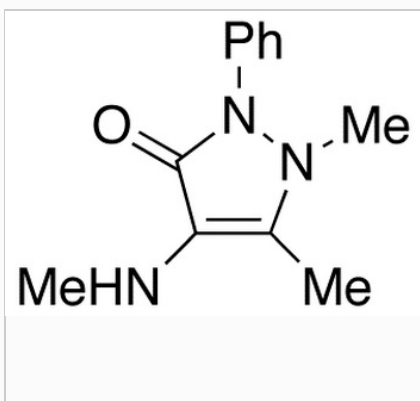
**Catalogue Number:** M285600

**CAS Number:** 519-98-2

**Product:** 4-Methylamino Antipyrine

**Synonym:** 1,2-Dihydro-1,5-dimethyl-4-(methylamino)-2-phenyl-3H-pyrazol-3-one; 4-Methylaminophenazone; 4-Monomethylaminoantipyrine; N-Methyl-4-aminoantipyrine; Noramidopyrine; Noraminopyrine;

**Structure:**



**Molecular Formula:**

C<sub>12</sub>H<sub>15</sub>N<sub>3</sub>O

**Molecular weight:**

217.27

**Source of Product:**

Synthetic

**Solubility:**

Chloroform (Slightly), Ethyl Acetate (Slightly), Methanol (Slightly)

**Lot Number:** 6-SKR-85-1

**Purity:** 96%

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

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Brown Oil to Solid	Light Yellow Low-Melting Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 65.33, %H: 6.87, %N: 19.18
HPLC Purity	Report Result	96.98% (260 nm)
MS	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms
TGA	Report Result	See Additional Information
Water Content	Report Result	3.7% by Karl Fischer

**Additional Information:**

The sample was tested by TGA, initiated in a nitrogen environment. The first and second degradation onset temperatures were measured at 178.4°C and 545.5°C. The environment was changed to air at 800.0°C. The sample had 1.2% of its weight remaining at 996.8°C.

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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
Henry Tieu	Toni Rantanen	Chanell Chu	4/21/2022	4/19/2026
				