



## CERTIFICATE OF ANALYSIS

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### 1. Identification

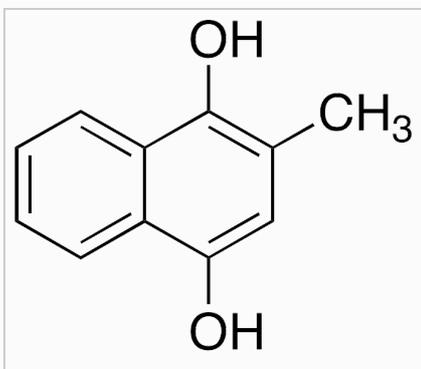
**Catalogue Number:** M323135

**CAS Number:** 481-85-6

**Product:** 2-Methyl-1,4-naphthalenediol

**Synonym:** 1,4-Dihydroxy-2-methylnaphthalene; 2-Methyl-1,4-dihydroxynaphthalene; 2-Methyl-1,4-naphthohydroquinone; 2-Methyl-1,4-naphthoquinol; 2-Methylhydronaphthoquinone; 2-Methylnaphthalene-1,4-diol; 4-Hydroxy-3-methyl- $\alpha$ -naphthol; Dihydrovitamin K3; Menadiol; Reduced Menadione; Reduced Vitamin K3; Vitamin K3H2

**Structure:**



**Molecular Formula:**

C<sub>11</sub>H<sub>10</sub>O<sub>2</sub>

**Molecular weight:**

174.2

**Source of Product:**

Synthetic

**Solubility:**

DMSO (Slightly), Methanol (Slightly)

**Lot Number:** 8-LGA-89-1

**Purity:** 95%

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

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:** Not Determined

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Light Purple Solid	Pale Purple to Light Purple Solid
Melting Point	Report Result	>133°C (dec)
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 75.81, %H: 5.92
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.20%

**Additional Information:** NA

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**

Philip Chan



**Reviewed By**

Eric Beaton



**C of A Approved  
By**

My Nguyen



**Test Date**

10/25/2018

**Retest Date**

10/23/2025