



## CERTIFICATE OF ANALYSIS

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### 1. Identification

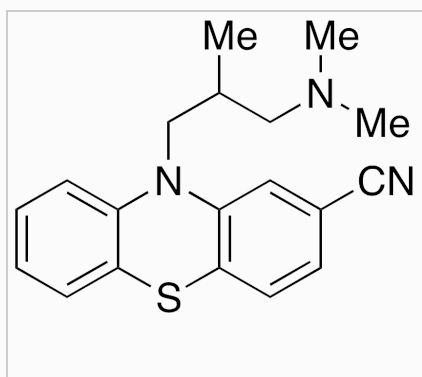
**Catalogue Number:** C951500

**CAS Number:** 3546-03-0

**Product:** Cyamemazine

**Synonym:** 10-[3-(Dimethylamino)-2-methylpropyl]-10H-phenothiazine-2-carbonitrile; 2-Cyano-10-(3-dimethylamino-2-methylpropyl)phenothiazine; Ciamatil; Cianatil; Cyamemazin; Cyamemazine; Cyamepromazine; Cyamepromazine; F. I. 6229; Kyamepromazine; R.P. 7204; TH 2602; Tercian;

**Structure:**



**Molecular Formula:**

C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>S

**Molecular weight:**

323.46

**Source of Product:**

Synthetic

**Solubility:**

Chloroform (Slightly),  
Methanol (Slightly, Sonicated)

**Lot Number:** 2-JES-33-7

**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	Pale Yellow to Light Green Solid	Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 70.46, %H: 6.59, %N: 13.00
Specific Rotation	Report Result	-0.2° (c = 0.5, Methanol)
MS	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms
HPLC Purity	Report Result	100.00% (270 nm)

**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 ± 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**

Nicole Yip



**Reviewed By**

Toni Rantanen



**C of A Approved  
By**

Chanell Chu



**Test Date**

10/19/2021

**Retest Date**

10/17/2031