



CERTIFICATE OF ANALYSIS

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1. Identification

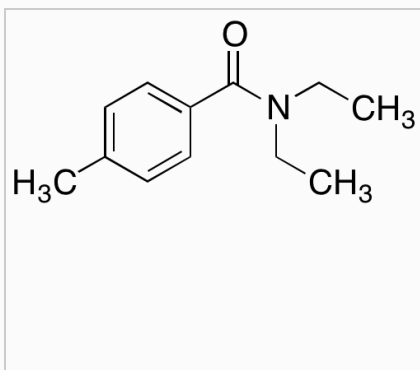
Catalogue Number: D478115

CAS Number: 2728-05-4

Product: N,N-Diethyl-p-toluamide

Synonym: N,N-Diethyl-p-methylbenzamide; N,N-Diethyl-4-methylbenzamide; NSC 5686; p-DEET; p-DETA; Diethyltoluamide Related Compound A

Structure:



Molecular Formula:

C₁₂H₁₇NO

Molecular weight:

191.27

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 12-TAH-141-1

Purity: 97%

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	White to Off-White Low-Melting Solid	Off-White Low-Melting Solid
Elemental Analysis	Conforms	%C: 74.81, %H: 8.92, %N: 7.42
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.19% (230 nm)
NMR	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
Evan Burns	Toni Rantanen	Chanell Chu	9/17/2021	9/15/2025