

CERTIFICATE OF ANALYSIS

1. Identification

<u>Catalogue Number</u>	<u>Lot Number</u>	<u>Structure</u>
A603004	22-NSR-85-2	
<u>Product Name</u>	4-Amino-1-tert-butyl-3-(1'-naphthyl)pyrazolo[3,4-d]pyrimidine	
<u>Synonyms</u>	1-(1,1-Dimethylethyl)-3-(1-naphthalenyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine; 1-NA-PP1;	
<u>CAS Number</u>	<u>Solubility</u>	<u>Shipping Condition</u>
221243-82-9	Chloroform (Slightly), Methanol (Slightly)	This Product Is Stable To Be Shipped At Room Temperature
<u>Molecular Formula</u>	<u>Source of Product</u>	<u>Long Term Storage Conditions</u>
C ₁₉ H ₁₉ N ₅	Synthetic	-20°C
<u>Molecular Weight</u>	<u>Purity</u>	
317.39	95%	

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 70.79, %H: 6.07, %N: 20.97
HPLC Purity	Report Result	95.02% (220 nm)
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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
 Sarjeet Kaur Product Quality Specialist	 Toni Rantanen Manager, Quality Assurance	 Chanell Chu Quality Assurance Associate	4/15/2024	4/13/2028