



CERTIFICATE OF ANALYSIS

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1. Identification

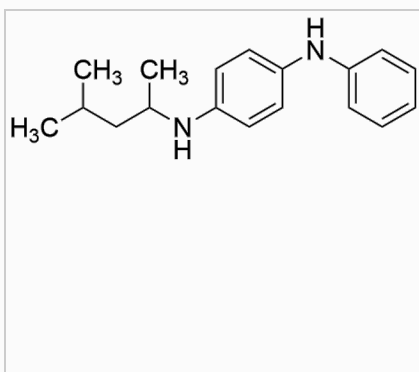
Catalogue Number: D556430

CAS Number: 793-24-8

Product: 4-(1,3-Dimethylbutylamino)diphenylamine

Synonym: 6PPD; Accinox ZC; Antage 6C; N1-(1,3-Dimethylbutyl)-N4-phenyl-1,4-benzenediamine; 1-N-(4-Methylpentan-2-yl)-4-N-phenylbenzene-1,4-diamine; Flexzone 7P; Forte 6C; Kumanox 13; Luvomaxx 6PPD; N-(1,3-Dimethylbutyl)-N'-phenyl-1,4-benzenediamine

Structure:



Molecular Formula:

C₁₈H₂₄N₂

Molecular weight:

268.4

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 2022-ASA-023

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 | Grey to Very Dark Purple Solid | Very Dark Purple Solid |
| NMR | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 80.48, %H: 9.08, %N: 10.60 |
| HPLC Purity | Report Result | 99.51% (290 nm) |
| MS | Conforms to Structure | Conforms |
| Specific Rotation | Report Result | +0.2° (c = 0.5, Chloroform) |

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 | Reviewed By | C of A Approved By | Test Date | Retest Date |
|---------------|---------------|--------------------|-----------|-------------|
| Sarbjeet Kaur | Toni Rantanen | Chanell Chu | 11/7/2022 | 11/5/2026 |

