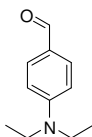




Certificate of Analysis

Axon Catalogue ID: 2476 **Batch Number:** 1
Product Name: DEAB
Alternative Name(s): NSC 8782
IUPAC Name: 4-(Diethylamino)benzaldehyde

Structure:



Amount:

CAS number(s): 120-21-8
Molecular Formula: C₁₁H₁₅NO **Molecular Weight:** 177.24
Batch Molecular Formula: C₁₁H₁₅NO **Batch Molecular Weight:** 177.24
Appearance: Green solid **Observed mp:** 40 - 41 °C
TLC (R_f): 0.5 EtOAc/Hex (1:4)
Chemical Purity: 99.4%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 74.54, H 8.53, N 7.90; Found: C 74.56, H 8.76, N 8.00
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.1	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.1	Insoluble
	DMSO	17.7	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 15-10-2020

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only