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## TECHNICAL DATA SHEET (TDS)

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Product Name: 4-(Dimethylamino)benzaldehyde (DMAB)

Grade: Reagent Grade

Catalogue Number: ASC-8069

Issue Date: 02 June 2025

Document Code: TDS-ASC-8069

Version: 1.0

### 1. Product Identification

CHEMICAL NAME	4-(DIMETHYLAMINO)BENZALDEHYDE
CAS NUMBER	100-10-7
MOLECULAR FORMULA	C <sub>9</sub> H <sub>11</sub> NO
MOLECULAR WEIGHT	149.19 g/mol
HS / AHECC CODE	2912.29.00 – Other Aldehydes
APPEARANCE	Light yellow to beige crystalline powder
PURITY	≥ 98.5% (Reagent Grade)

### 2. Typical Applications

- Preparation of Ehrlich's reagent
- Indole detection assays in microbiology
- Analytical chemistry derivatisation reactions
- Pharmaceutical and fine chemical research
- Quality control laboratories

### 3. Physicochemical Properties

Solubility: Soluble in organic solvents; limited solubility in water

Light Sensitivity: Sensitive – protect from light

Storage Conditions: Store in a cool, dry, well-ventilated area

Container: Keep tightly sealed

#### **4. Quality & Documentation**

- Supplied with Certificate of Analysis (CoA)
- Safety Data Sheet (SDS) available
- Controlled manufacturing and packaging conditions
- Batch traceability maintained

#### **5. Intended Use**

For laboratory research and professional use only.

Not for human or veterinary therapeutic use.