

PRODUCT SPECIFICATION



Cat. No. **D-4800**
Product **6-(Dimethylamino)purine**

N6,N6-Dimethyladenine

CAS RN [938-55-6]

M. F. C₇H₉N₅

M. W. 163.18 g/mol

<i>Test</i>	<i>Specification</i>
Color	white to slightly beige
Form	powder
Color of Solution (5 % in water)	colorless to light yellow
Turbidity (0.5 % in water)	max. 4.0 NTU
Water Content (K. Fischer)	max. 2.0 %
UV Wavelength (8 mg/L in 0.1 mol/L HCl; lambda max.)	276 to 278 nm
Molar Extinction Coefficient (8 mg/L in 0.1 mol/L HCl; at lambda max.; calculated on dry matter)	15000 to 16000 L/(mol cm)
Purity (TLC) (30 mg/mL in water; chloroform/methanol 9:1; UV 254 nm)	min. 98 area-%
FT-IR Spectrum	corresponds to reference spectrum
1H-NMR Spectrum	corresponds to assigned structure
13C-NMR Spectrum	corresponds to assigned structure
Recommended Retest Period:	720 days

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