

**Product:** Adenine Sulfate, Dihydrate  
**Catalog Number:** 11305

**Formula:**  $(C_5H_5N_5)_2 \cdot H_2SO_4 \cdot 2H_2O$   
**Formula Weight:** 404.36  
**CAS Number:** 321-30-2

## SPECIFICATION

<u>Test</u>	<u>Specification</u>
Appearance.....	white to off-white or yellowish crystalline powder
Assay (on dried basis, by titration).....	97.0% to 103.0%
Loss On Drying (at 105°C).....	NMT 10.0%
Melting point.....	check and record (approx. 200°C with decomposition)
Solubility (1g in 160 mL H <sub>2</sub> O).....	clear and complete
Spectral Constants (@ pH 7)	
λ <sub>max</sub> .....	259 to 263 nm
ε <sub>max</sub> .....	12864 to 13936

### Additional Information

Storage Conditions..... 15°C to 30°C