

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Hexadecylpyridinium bromide,96%

ITEM NUMBER: H108698  
BRAND: Aladdin  
CAS NUMBER: 140-72-7,202869-92-9  
MDL NUMBER: MFCD00011988  
FORMULA: C<sub>21</sub>H<sub>38</sub>BrN  
MOLECULAR WEIGHT: 384.44

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	off-white powder		
Carbon by Elemental Analysis	62.7 %	65.7 %	65.7 %
Infrared spectrum	Conforms to Structure		
Nitrogen by Elemental Analysis	3.3 %	3.8 %	3.8 %
Purity(Titration by AgNO <sub>3</sub> )(on dry substance)	96 %	100 %	100 %
Solubility in Ethanol	Colorless to Faint Yellow Clear(C = 5%)		
Water by Karl Fischer	0 %	6 %	6 %