

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Urea,for electrophoresis, 99.5% (T)

ITEM NUMBER: U111901  
BRAND: Aladdin  
CAS NUMBER: 57-13-6  
MDL NUMBER: MFCD00198123  
FORMULA: CH<sub>4</sub>N<sub>2</sub>O  
MOLECULAR WEIGHT: 60.04

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
electrophoresis test	pass		
Infrared spectrum	Conforms to Structure		
Iron(Fe)	0 ppm	1 ppm	1 ppm
lead by ICP-atomic emission	0 ppm	5 ppm	5 ppm
Purity(T)	99.5 %	100 %	100 %
specific ion electrode test	0 %	0.005 %	0.005 %
uv absorbance(at 260 NM (C= 5 M, H <sub>2</sub> O))	0	0.06	0.06
uv absorbance(at 280 NM C= 5 M, H <sub>2</sub> O)	0	0.06	0.06
X-Ray Diffraction	Conforms to Structure		