No. 196 xinjinqiao Road, Pudong District, Shanghai 201206, China
TELEPHONE : 400 620 6333 FAX : +86-21 5032 3701
TECH EMAIL : tech@aladdin-e.com

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Ammonia solution,for HPLC,≥25% in H2O

ITEM NUMBER:	A112080
BRAND:	Aladdin
CAS NUMBER:	1336-21-6
MDL NUMBER:	MFCD00066650
FORMULA:	H5NO
MOLECULAR WEIGHT:	35.05

TEST	SPECIFICATION MIN.	SPECIFICATION MAX.	TARGET VALUE
Ag:	0 ppm	0.01 ppm	0.01 ppm
Appearance	Colorless Liquid		
As, Sb (as As):	0 ppm	0.01 ppm	0.01 ppm
Au:	0 ppm	0.01 ppm	0.01 ppm
B:	0 ppm	0.01 ppm	0.01 ppm
Ba:	0 ppb	0.01 ppb	0.01 ppb
Be:	0 ppm	0.01 ppm	0.01 ppm
Bi:	0 ppm	0.01 ppm	0.01 ppm
Ca	0 ppm	0.5 ppm	0.5 ppm
Cd:	0 ppm	0.01 ppm	0.01 ppm
chloride (Cl-):	0 ppm	0.2 ppm	0.2 ppm
Co:	0 ppm	0.01 ppm	0.01 ppm
Concentration(NH3)	25 %	100 %	100 %
Cr:	0 ppm	0.01 ppm	0.01 ppm
Cu:	0 ppm	0.01 ppm	0.01 ppm
Evaporation residue	0 %	0.001 %	0.001 %
Fe:	0 ppm	0.01 ppm	0.01 ppm
Ga:	0 ppm	0.01 ppm	0.01 ppm
Ge:	0 ppm	0.01 ppm	0.01 ppm

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In:	0 ppm	0.01 ppm	0.01 ppm
Infrared spectrum	Conforms to Structure		
K	0 ppm	0.01 ppm	0.01 ppm
Li:	0 ppm	0.01 ppm	0.01 ppm
Mg:	0 ppm	0.01 ppm	0.01 ppm
Mn:	0 ppm	0.01 ppm	0.01 ppm
Mo:	0 ppm	0.01 ppm	0.01 ppm
Na:	0 ppm	0.01 ppm	0.01 ppm
Ni:	0 ppm	0.01 ppm	0.01 ppm
Pb:	0 ppm	0.01 ppm	0.01 ppm
phosphate (PO43-):	0 ppm	0.2 ppm	0.2 ppm
Pt:	0 ppm	0.01 ppm	0.01 ppm
Sn:	0 ppm	0.01 ppm	0.01 ppm
Sr:	0 ppm	0.01 ppm	0.01 ppm
sulfate (SO42-):	0 ppm	1 ppm	1 ppm
Ti:	0 ppm	0.01 ppm	0.01 ppm
Tl:	0 ppm	0.01 ppm	0.01 ppm
V:	0 ppm	0.01 ppm	0.01 ppm
Zn:	0 ppm	0.01 ppm	0.01 ppm
Zr:	0 ppm	0.01 ppm	0.01 ppm