

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Ammonium formate,for MS, 99.0%

ITEM NUMBER: A100187
BRAND: Aladdin
CAS NUMBER: 540-69-2
MDL NUMBER: MFCD00013103
FORMULA: CH₅NO₂
MOLECULAR WEIGHT: 63.06

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Aluminum(Al)	0 ppm	1 ppm	1 ppm
Appearance	White crystal powder		
Arsenic(As)	0 ppm	0.1 ppm	0.1 ppm
Barium(Ba)	0 ppm	1 ppm	1 ppm
Bismuth(Bi)	0 ppm	1 ppm	1 ppm
Cadmium(Cd)	0 ppm	1 ppm	1 ppm
Calcium(Ca)	0 μg/mg /	5 μg/mg /	5 μg/mg /
Chloride(Cl)	0 ppm	50 ppm	50 ppm
Chrome(Cr)	0 ppm	1 ppm	1 ppm
Cobalt(Co)	0 ppm	1 ppm	1 ppm
Copper(Cu)	0 ppm	1 ppm	1 ppm
Ignition residue (as sulfate)	0 %	0.1 %	0.1 %
Infrared spectrum	Conforms to Structure		
insoluble matter	passes filter test		
Iron(Fe)	0 ppm	1 ppm	1 ppm
Lead(Pb)	0 ppm	1 ppm	1 ppm
Lithium(Li)	0 ppm	1 ppm	1 ppm
Magnesium(Mg)	0 ppm	1 ppm	1 ppm

Manganese(Mn)	0 ppm	1 ppm	1 ppm
Melting point	119 ° C	121 ° C	121 ° C
molybdenum(Mo)	0 ppm	1 ppm	1 ppm
Nickel(Ni)	0 ppm	1 ppm	1 ppm
pH	5.5	7.5	7.5
Potassium(K)	0 ppm	5 ppm	5 ppm
Purity	99 %	100 %	100 %
Purity(Based on Trace Metals Impurities)	99.999 %	100 %	100 %
Sodium(Na)	0 ppm	5 ppm	5 ppm
Strontium(Sr)	0 ppm	1 ppm	1 ppm
sulfate (SO42-)	0 ppm	50 ppm	50 ppm
total metallic impurities	0 ppm	20 ppm	20 ppm
UV absorption : 260 nm A	0	0.01	0.01
UV absorption : 280 nm A	0	0.01	0.01
Water by Karl Fischer	0 %	2 %	2 %
Zinc(Zn)	0 ppm	1 ppm	1 ppm