

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Barium chloride dihydrate,AR,99.5%

ITEM NUMBER: B111749
BRAND: Aladdin
CAS NUMBER: 10326-27-9
MDL NUMBER: MFCD00149154
FORMULA: BaCl₂·2H₂O
MOLECULAR WEIGHT: 244.26

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
(K)Potassium(K)	0 %	0.005 %	0.005 %
Appearance	White Powder or Crystals		
Assay	99.5 %	100 %	100 %
Calcium(Ca)	0 %	0.05 %	0.05 %
Clarity of solution	pass		
heavy metals (as Pb)	0 %	0.0005 %	0.0005 %
Iron(Fe)	0 %	0.0001 %	0.0001 %
Insoluble matter in water	0 %	0.01 %	0.01 %
pH(50 g/L solution, 25 ° C)pH of water solution	5	7	7
Sodium(Na)	0 %	0.01 %	0.01 %
Solubility in H ₂ O	Colorless, clear to slightly hazy, 100 mg/ml		
Strontium(Sr)	0 %	0.05 %	0.05 %
total nitrogen(N)	0 %	0.002 %	0.002 %
Water by Karl Fischer	12 %	18 %	18 %
X-Ray Diffraction	Conforms to Structure		