

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Potassium sodium tartrate tetrahydrate,99.99% metals basis

ITEM NUMBER: P112617  
BRAND: Aladdin  
CAS NUMBER: 6381-59-5  
MDL NUMBER: MFCD00150989  
FORMULA: C<sub>4</sub>H<sub>4</sub>O<sub>6</sub>KNa · 4H<sub>2</sub>O  
MOLECULAR WEIGHT: 282.22

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White Powder, Crystals and/or Chunks		
ICP:Confirms Na and K Components	Confirmed		
Infrared spectrometry	Conforms to Structure		
Purity(Based On Trace Metals Analysis)	99.99 %	100 %	100 %
Specific rotation [α] <sub>20</sub> /D(C=10, H <sub>2</sub> O)	++19 °	+25 °	++25 °
total metallic impurities	0 ppm	100 ppm	100 ppm
Water by Karl Fischer	22 %	26 %	26 %