

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Glutaryl chloride,97%

ITEM NUMBER: G109391  
BRAND: Aladdin  
CAS NUMBER: 2873-74-7  
MDL NUMBER: MFCD00000755  
FORMULA: C<sub>5</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>2</sub>  
MOLECULAR WEIGHT: 169.01

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	Colorless to Yellow to Dark Red Liquid		
Infrared spectrum	Conforms to Structure		
Purity(GC)	97 %	100 %	100 %
Purity(Titration by AgNO <sub>3</sub> after O <sub>2</sub> combustion)	96.5 %	103.5 %	103.5 %
Refractive index n <sub>20</sub> /D	1.471	1.474	1.474
Specific gravity (20/20 ° C)	1.31	1.315	1.315