

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: 3-Chlorobenzoyl chloride,97%

ITEM NUMBER: C106156  
BRAND: Aladdin  
CAS NUMBER: 618-46-2  
MDL NUMBER: MFCD00000671  
FORMULA: C7H4Cl2O  
MOLECULAR WEIGHT: 175.01

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	Colorless to yellow brown liquid		
Proton NMR spectrum	Conforms to Structure		
Purity(Argentmetric Titration)	96.5 %	103.5 %	103.5 %
Purity(GC)	97 %	100 %	100 %
Refractive index n <sub>20</sub> /D	1.568	1.57	1.57