

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: 4-Fluorobenzoic Acid Ethyl Ester,99%

ITEM NUMBER: F102053  
BRAND: Aladdin  
CAS NUMBER: 451-46-7  
MDL NUMBER: MFCD00000351  
FORMULA: C<sub>9</sub>H<sub>9</sub>FO<sub>2</sub>  
MOLECULAR WEIGHT: 168.16

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	Colorless Liquid		
Infrared spectrum	Conforms to Structure		
Purity(GC)	99 %	100 %	100 %
Refractive index n <sub>20</sub> /D	1.485	1.487	1.487