

## Certificate of Analysis

Date of Testing: 2022-02-14 14:51:06  
Date of Next Testing: 2022-08-13 14:51:06  
Product Name: **Heptafluorobutyric acid**  
CAS Number: 375-22-4  
Specifications & Purity: for ion chromatography,  $\geq 99.5\%$  (GC)  
Lot #: B2210341  
SKU #: **H106256**  
**Analysis:** **068706**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.654-1.658	1.66
Total Metallic Impuritie	0-200 (ppm)	6.00 ppm
Purity(GC)	99.5-100 (%)	99.58 %
Purity(Based on Trace Metals Impurities of ICP)	99.99-100 (%)	100.00 %
Appearance (H106256)	Colorless to light yellow liquid	Colorless to light yellow liquid
Fluorine NMR Spectrum	Conforms to Structure	Conforms to Structure
GCMS	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager