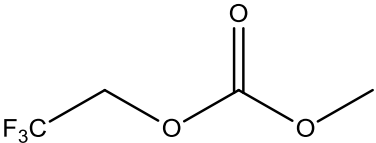


Description	Methyl (2,2,2-trifluoroethyl) carbonate
CAS #	156783-95-8
Formula	C ₄ H ₅ F ₃ O ₃
FW	158.08
LOT #	TD7-271
Purity	99.8% ¹
Batch Size	2900 g
Manufactured	8-20-15
Structure	

Analysis	Method	Results	Analysis By:
GC/FID	Agilent 7890A Agilent HP-5MS, 0.25 um, 30m x 0.250 mm, 30 to 220 °C, 25 °C /min	99.8% ^{1,2}	T. Dzwiniel
GC/MSD	Agilent 7890A/5975C Triple-Axis Agilent DB-5MS, 0.25 um, 30m x 0.250 mm, 30 to 220 deg, 25 deg/min	99.8% ^{1,2}	T. Dzwiniel
Boiling Point	Automatic, range method (Buchi M-565)	104-106°C	T. Dzwiniel
Flash Point	Pensky-Martens Closed Cup	37°C	T. Dzwiniel
KF Moisture Titration	Coulometric (KEM MCU-610)	TBD ppm	K. Pupek
FTIR	Bruker Vertex 70, Attenuated Total Reflection	Consistent with Structure	T. Dzwiniel
NMR	¹ H, ¹⁹ F, ¹³ C Bruker 500 MHz, CDCl ₃ solution.	Consistent with Structure	T. Dzwiniel

¹ By area integration. Main impurities are diethyl carbonate and bis(trifluoroethyl)carbonate at ≈0.1% each.

² Average from three analyses.