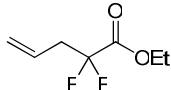




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CERTIFICATE OF ANALYSIS

Product Name: Ethyl 2,2-difluoropent-4-enoate		CAS No.: 110482-96-7	
Quantity: 500.0 g		Batch No.: OTH015_100329	
Molecular Formula: C ₇ H ₁₀ F ₂ O ₂		Manufacturing Date: Mar 29, 2010	
Molecular Weight: 164.15		Expiry Date: Mar, 2012	
Structure			
Item		Specification	Result
Description		Colourless liquid	Colourless liquid
Identification (NMR)		Conform to the structure	Comply
Boiling point		73°C/11 Tor	75°C/11 Tor
Assay (GC)		≥ 98.0%	98.1%
Conclusion: Complies with requirements of enterprise standard.			