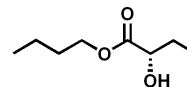


Certificate of Analysis

Date of Manufacture: 2010-06-09
Batch No: A20100609

Date of Analysis: 2010-06-10

Catalog No.: M111030
Product Name: (S)-2-Hydroxybutanoic acid n-butyl ester
Formula: $C_8H_{16}O_3$
Molecular Weight: 160.21
CAS Number: 132513-51-0



Items	Specifications	Results of Analysis
Appearance:	Colorless to pale yellow liquid	Colorless liquid
1H -NMR:	Consistent with structure	Consistent with structure
Assay (GC):	97.0%min	97.3%
Water Content (KF):	$\leq 0.5\%$	0.21%

Storage: Room Temperature, Dry
Origin of Country: P. R. China