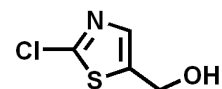


## Certificate of Analysis

Date of Manufacture: 2011-07-27  
Batch No: A20110727

Date of Analysis: 2011-07-27

Catalog No.: HT11234  
Product Name: 2-Chloro-5-hydroxymethylthiazole  
Formula: C<sub>4</sub>H<sub>4</sub>ClNOS  
Molecular Weight: 149.60  
CAS Number: 145015-15-2



Items	Specifications	Results of Analysis
Appearance:	Colorless to pale red liquid	Pale red liquid
<sup>1</sup> H-NMR:	Consistent with structure	Consistent with structure
Assay (HPLC):	97.0%min	98.5%
Water Content:	≤0.5%	0.21%

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