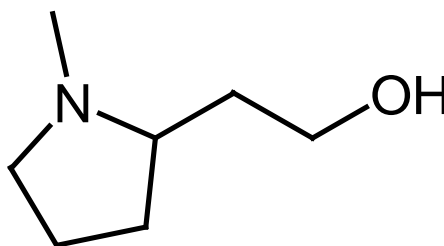


Certificate Of Analysis

Name: 1-Methyl-2-pyrrolidineethanol
CAS NO.: 67004-64-2
Cat NO.: A9005
Batch No.: 1MP01052016
Mfg.Date: 2016-05-01
Exp.Date: 2017-04-30



Items	Specifications	Results
Appearance	Colourless or light Yellow viscous liquid	Conforms
Identification	Infrared Absorption Conform to Rs	Conforms
Specific rotation	$[\alpha]_D^{20} = -3.0^\circ \sim +1.0^\circ$ (C = 2 , in methanol)	+0.13°
pH	11~12	11.65
TLC Purity	Single Spot	Conforms
GC Purity	$\geq 99.0\%$	99.43%
Water	$\leq 1.0\%$	0.18%
Purity	$\geq 98.0\%$	98.57%
Conclusion	The product tested complies with the specifications	

Storage condition: Store in a tightly closed container in a cool and dry place.

Checker:

** If you have any comments and suggestions, please contact us by sales@amadischem.com*