

QUZHOU HOPEMAX CHEMICAL TECHNOLOGY CO., LTD

Certificate of Analysis

Product Name: Alpha-(2,4-Dichlorophenyl)-1H-imidazole-ethanol			
Lot No.: 20180603		Test date: 2018-06-03	
Packing: 500g/Bag		Qty: 500g	
Items		Specification	Test result
Appearance:		White to coloured powder	Complies
IR spectrum		Conforms to standard	Complies
Melting point		134.0~138.0°C	135.5~136.0°C
Optical rotation angle(10% methanol)		0+/-0.4°	0°
Sulphated Ash		≤0.1%	0.05%
Related substances (HPLC)	1-(2,5-Dichlorophenyl)-2-(1H-Imidazole-1-yl)ethanol	≤0.1%	0.02%
	1-(3,4-Dichlorophenyl)-2-(1H-Imidazole-1-yl)ethanol	≤0.1%	0.01%
	1-(2,4-Dichlorophenyl)-2-(2-methylimidazo-1-yl)ethanol	≤0.05%	Complies
	1-(2,4-Dichlorophenyl)-2-(4-methylimidazo-1-yl)ethanol	≤0.05%	Complies
	1-(2,4-Dichlorophenyl)-2-(5-methylimidazo-1-yl)ethanol	≤0.05%	Complies
	Each other impurity	≤ 0.10%	Complies
	Sum of impurities	≤ 1.0%	0.10%
Loss on drying		≤ 0.5%	0.16%
Chromatographic purity(HPLC)		≥99%	99.90%
Potentiometric assay		98.0~101.5%	99.5%
Conclusion:Pass			
Analyst	Chen Shuangshuang	QC Manager	Jiang Hongpin