

Lot: 090513

CHENG FONG CHEMICAL CO., LTD.

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Taoyuan County 337, Taiwan (R.O.C.)

CERTIFICATE OF ANALYSIS

Product : PHENYLPROPANOLAMINE HYDROCHLORIDE EP7		
Lot No : 30205	Quantity : 50 kg x 6	
Mfg. Date : Mar. 01, 2013	Retest Date : Mar. 01, 2013	Date of Analysis : Mar. 06, 2013

ITEMS	SPECIFICATION	RESULTS
Characters	A white or almost white crystalline powder, freely soluble in water and in alcohol, practically insoluble in methylene chloride.	Conforms
Identification		
A. Melting point	194°C ~197°C	194.6 °C
B. IR	Accord with the standard spectrum	Accord
C. Test of chlorides	Meets the requirements	Conforms
Appearance of solution	5.0 % w/v solution must be clear and colourless	Clear, colourless
Acidity or alkalinity	10 ml of 5.0% w/v solution add 0.1 ml of methyl red solution R and 0.2 ml of 0.01 M sodium hydroxide. The solution is yellow. Add 0.4 ml of 0.01 M hydrochloric acid. The solution is red.	Conforms
Related substances (TLC)	NMT. 1.0 %	<1.0 %
Phenylpropanonamine	NMT. 0.10 (at 283 nm)	0.018
Heavy metals	NMT. 20 ppm	<20 ppm
Loss on drying	NMT. 0.5 %	0.02 %
Sulphated ash	NMT. 0.1 %	0.06 %
Assay	99.0 ~ 101.5 %	100.56 %
Residual solvent	Methanol : NMT 1000 ppm	18.3 ppm
Limit of Nickel	NMT 10 ppm	Undetected
PLANT MANAGER	DIRECTOR Q.C.	ANALYST
T. H. Cheng	Simon Wang	Lin fang

Q.A. Approval : Will Wei

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