

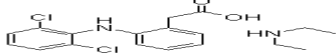


HAIQIANG CHEMICALS CO., LTD

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CERTIFICATE OF ANALYSIS

NO: HQC081203053

Product name	Diclofenac Diethylamine	CAS Number	78213-16-8
Molecule Structure		Molecule Formula	C ₁₈ H ₂₂ Cl ₂ N ₂ O ₂
Batch number	HQC201201021	Quantity	100KGs
Manuf. Date:	2012-01-02	Exp. Date	2015-02-02
Executive Criterion	BP2010	Report Date	2012-01-03

Items	Standard	Result
Appearance	White or slightly yellowish crystalline powder, slightly hygroscopic.	Conforms
Solubility	Sparingly soluble in water and in acetone, freely soluble in Methanol, Ethanol(96%), practically insoluble in 1mol/1 sodium hydroxide	Conforms
Identification	A: IR-Spectrum B: TLC Chromatogram	Conforms Conforms
Appearance of solution	Clear Absorption at 440nm max 0.05	Conforms 0.02
PH of 1% m/V solution in ethanol(10% V/V)	6.4-8.4	7.2
Clarity(5% w/V solution in methanol)	Clear	Conforms
Colour(5% w/V solution in methanol)	The absorbance measured at 440nm is not greater than 0.05	Conforms
Sulphated substances	0.1% max	Conforms
Related substances	Single impurity: 0.2% max Total impurity: 0.5% max	Conforms Conforms
Heavy metals	10ppm max	Conforms
Loss on drying	0.5% max	0.04%
Assay	99%-101%	99.40%

HAIQIANG CHEMICALS CO.LTD
QUALITY CONTROL:
QUALITY CONTROL DEP.

CHECK: 姚仙娟

INSPECTOR: 刘清风