

**Vetindia Pharmaceuticals Limited**  
**A-6/1, Electronic Complex, Kushaiguda, Hyderabad-62**

**QUALITY CONTROL DEPARTMENT**  
**CERTIFICATE OF ANALYSIS**  
**WORKING STANDARD ANALYSIS REPORT**

Mfg.lic.No:52/HD/AP/95/F/R

Name of the Material: <b>LYSINE HYDROCHLORIDE</b>	Material Code: 066	W.S.No: VWS/066/15
Batch No: Working Standard	Mfg.Date: 04/2015	Exp.Date: 04/2018
Name of the Manufacturer: Paik Kwang Industrial Co Ltd		
Condition: Good	Quantity Received: 50 g	
Date of Analysis:05/12/2015	Date of Report: 05/12/2015	
Inward No:010	A.R.NO: VWSR/010/15	
Ref STP No: VIPL/QC/RM/066/A	Ref SOP No: VIPL/QC/GEN/017	

S.NO	TEST	SPECIFICATION	RESULT
1.	Appearance	A white or almost white, crystalline powder or colourless crystals.	Almost white crystalline powder
2.	Solubility	Freely soluble in water, slightly soluble in alcohol.	Complies
3.	Identification	A. Test for Specific optical rotation C. Test for Ninhydrin-positive substances D. A yellowish-white precipitate is formed.  E. Reaction (a) of chlorides	Complies Complies yellowish-white precipitate was formed. Complies
4.	Appearance of solution	Solution S is clear and not more intensely coloured than reference solution B <sub>7</sub> or GY <sub>7</sub>	Solution S was clear and Less intense coloured than reference solution B <sub>7</sub>
5.	Specific optical rotation	+ 21.0 to + 22.5	+ 21.8
6.	Ninhydrin-positive substances	Thin-layer chromatography	Complies
7.	Sulphates	Not more than 300 ppm	< 300 ppm
8.	Ammonium	Not more than 200 ppm	< 200 ppm
9.	Iron	Not more than 30 ppm	< 30 ppm
10.	Heavy metals	Not more than 10 ppm	< 10 ppm
11.	Loss on drying	Not more than 0.5%	0.3%
12.	Sulphated ash	Not more than 0.1%	0.01%
13.	Assay	NLT 98.5% and NMT 101.0%	98.7%

REMARKS: THE MATERIAL COMPLIES WITH BP2011 SPECIFICATIONS IN THE ABOVE RESPECTS.

*Sravani*  
 ANALYSED BY  
 -Sravani 05/12/2015

*Prasad*  
 CHECKED BY  
 Prasad 05/12/2015

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