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C85-1

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**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: **CALCIUM PANTOTHENATE**

Material Code: 020

W.S.No: VWS/020/15

Batch No: Working Standard

Mfg.Date: 06/2015

Exp.Date: 06/2018

Name of the Manufacturer: Hainan Zhongxin Chemical Co Ltd

Condition: Good

Quantity Received: 50 g

Date of Analysis: 30/12/2015

Date of Report: 30/12/2015

Inward No:066

A.R.NO: VWSR/066/15

Ref STP No: VIPL/QC/RM/020/A

Ref SOP No: VIPL/QC/GEN/017

S.NO	TEST	SPECIFICATION	RESULT
1.	Appearance	White or almost white powder, slightly hygroscopic.	Almost white powder.
2.	Solubility	Freely soluble in water, slightly soluble in alcohol.	Complies
3.	Identification	A. Specific optical rotation B. Test for 3-aminopropionic acid C. A blue colour develops D. Reaction (a) of calcium	Complies Complies Blue colour developed Complies
4.	Appearance of Solution	Solution S is clear and colourless	Solution S was clear and colourless
5.	pH	6.8 to 8.0	7.75
6.	Specific Optical Rotation	+25.5° to +27.5°	+26.3°
7.	3-Aminopropionic Acid	Thin-layer chromatography	Complies
8.	Chlorides	Not more than 200 ppm	< 200 ppm
9.	Heavy Metals	Not more than 20 ppm	< 20 ppm
10.	Loss On Drying	Not more than 3.0%	1.3%
11.	Assay(dried substance)	NLT 98.0% and NMT 101.0%	98.9%

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

Gangadhar  
ANALYSED BY  
Gangadhar  
30/12/2015

GEPR  
CHECKED BY  
Prasad 30/12/2015

