Certificate of Analysis

Product: Empty Porcine Hard Gelatin Capsules		Batch No.	VC180745	
Capsule Size	07	Color Code Cap/Body	CT/CT	
Date of Manufacture	JANUARY 2018	Expiration Date For Use Outside India*		
, and the second		Expiration Date For Use In India**		

^{*}Based on real-time stability data customers outside India can use an expiration date of 7 years from the Date of Manufacture.

c) Protected from moisture.

Ingredients & Composition (AA)

					34. All	-dillin.	
	05 5000/	37 6 1 . 77 1 4	4	- AMA 1	w #		1
Gelatin Porcine	85.500%	l No Colorants Used #	- Anna		Æ		
Genatin i orenie	03.30070	110 Colorants Osca				300000	
			400	277	-		

Colorant when applicable meets with Directive 78/25/EEC & Council Directive 98/45/EC

at composition data indicated are target Due to the nature of raw material, their sourcing and technology improvements. values and actual values may vary to ensure the consistency of capsule color.

As Permitted in ICH Q3C, USP-467 & Ph. Eur General text 5.4, Class 3 solvents may sed up o 5000 ppm or 0.5 % under Option 1.

Empty Porcine Hard Gelatin Capsule Specification

Porcine gelatin and other ingredients used meet applicable US, European and Jan nese Phirmacopoeia specifications for the use in manufacture of empty porcine hard gelatin capsules.

This product is manufactured from Porcine gelatin certified by USDA or European Union Veterinary Officials processed according Regulation (EC) No. 853/2004 and compliant to 1069/1009 as amended 142 2011.

This product does not contain and is not derived from any ruminant including bevine) materials. Therefore, it does not contain

any materials that may present a risk of Transmissible Spongiform Enc. shall eathy including BSE.

This product meets applicable specifications of US Pharmacopoeia Edition - SP39-NF34, Japanese Pharmacopoeia 17th Edition and European Pharmacopoeia 9th Edition.

GMP+FSA Assured. This product is manufactured under resistration. PDV 114350 and can be used in animal feed.

This product meets US Federal Standard 285A and US Federal Specification U-C-115b for acid solubility and water resistance.

This product is GMO free complying with Regulary (EC) No. 1829/2003 and does not require labeling as per 1830/2003. This product is free from Melamine contamination complying with Commission Regulation (EU) No. 574/2011.

Characteristics (Test)	T	Secification	Result	
Moisture (loss on drying)	4	-13%- 15% w/w	Complies	13 - 14 %
Disintegration time		Not more than 15 minutes	Complies	08 minutes
Average wt. (Lot of 100 capsules)		192 gms +/- 10%	Complies	193 gms
Total Aerobic microbial count		Not more than 1000 cfu/gm.	Complies	Less than 500cfu/gm.
Escherichia coli		Absent in one gram.	Complies	Absent in one gram.
Salmonella species		Absent in ten grams.	Complies	Absent in ten grams.
Pseudomonas aeruginosa		Absent in one gram.	Complies	Absent in one gram.
Stathylococcus ure	•	Absent in one gram.	Complies	Absent in one gram.
Total combined Year and Mold count		Not more than 100 cfu/gm.	Complies	Less than 100cfu/gm.

ured under controlled conditions in accordance with cGMP. Continuous control maintained throughout the process guarantees that capsules conform to the highest quality standard.

World Sales & Service:

For further information on capsules, filling machines, dosing devices or assistance with research or other industrial uses contact:

Torpac Inc., 333 US 46, Fairfield, NJ 07004, USA. Tel.: 1-973-244-1125 Fax: 1-973-244-1365

www.torpac.com, e-mail: info37@torpac.com

This lot of capsules described is hereby certified to you.

Name: GEETHA KARTHIKEYAN

Title: SENIOR MANAGER QA & RA.

6-Feb.-2018

Manufactured for Torpac Inc. under exclusive contract by Custom Capsules Pvt. Ltd., B-8/1, Tarapur MIDC, Boisar-401506, and Maharashtra, India. Manufacturing License No. KD/33. **GRN 21233**

^{**} Expiration Date in India is 5 years as Indian FDA regulations classify capsules as a drug and specify a maxima shelf life of 5 years for drugs if packed cartons are stored under the following conditions:

a) At 60°-80°F (15°-25°C) and 40-60% Relative Humidity b) Away from any direct source of heat (e.g. radiators, nlight.letc.)