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	ty of Pharmacy			
	search Grant EEMENT DEED.			
Parul University	Sponsor			
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Principal Investigator:	Amount:	Period of Support :		
Dr.Dipti Patel,	Rs.1,00,000/-(One	THE MONTHS		
Associate Professor	Lakh)	Until project comple		
Parul Institute of Pharmacy and Research		when had		
Limda (Post)				
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Collège : Parul Institute of Pharmacy and				
Research				
		1		
Department : Pharmaceutics	Payment mode: Make	checks payable to,		
	Principal, Parul Institu	Principal, Parul Institute of Pharmacy & Research.		
	1)Half of the grant to I	1)Half of the grant to be paid in the beginning of		
	Research proposal.			
	2)Remaining payment to be made after			
Area of Research :	execution of research work.			

#### Area of Research:

- 1) Formulation and Evaluation of Orlistat pellets 50%.
- 2)Methodology(Enclosed).\*

#### Terms and conditions

1)Purpose: Sponsor desires to support the development of fundamental basic research in the field of research identified above, and where as Parul Institute of Pharmacy and Research, (PU) has an ongoing fundamental basic research program in this area consistent with the research interests of the Sponsor, this research grant is established to give financial support to the Principal Investigator to cover the full costs associated with the research.

- 2)Reports: Principal Investigator shall provide sponsor a final technical report.
- 3)Publications: Principal Investigator shall not be allowed to publish without the consent of Sponsor. If Sponsor supports, his/her name may be acknowledged in publications.
- 4)Intellectual Property: Principal Investigator shall own all data, inventions resulting from research

conducted hereunder till complete payment is made. Once the research grant is granted, PI will not have any rights.

5) Publicity: Neither party will use the name of the other party in any publicity and advertising (except in publications as noted in 3, above) without the prior permission.

6)Entire Agreement: The Research Grant contains the entire expenses of research work assigned and only agreement between the parties respecting the subject matter. All term and conditions of said document are hereby deleted in entirely and superseded after submission of research data to Sponsor along with complete payment to Principal Investigator.

Name and Signature of Brincipal Investigator:

Name and Signature of Sponsor

Dr. Dipti H. Patel

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\*METHODOLOGY:

#### ORLISTAT

#### Description:

Anti-Obesity drug

Reversible inhibitor of lipases.

Used for losing weight

The present study deals with the formulation and evaluation of orlistat pellets.

#### Materials:

Table:1 List of Materials used in present investigation:

Sr. No.	Materials	U80 11 11 11 11 11 11 11 11 11 11 11 11 11
1.	Orlistat	API
2.	Microcrystalline Cellulose	Diluent
3.	Sodium Starch Glycolate	Superdisintegrant
4.	Copovidone	Binder
5.	Sodium Lauryl Sulphate	Surfactant

#### Preformulation:

Drug-Excipients Compatibility Study by FTIR:

Analytical Method for estimation of Orlistat:

Instrument:

HPLC, Prominence liquid Chromatograph, LC 20 AT, Shimadzu Corporation Japan.

Chemicals and reagents:

Acetonitrile HPLC Grade, Methanol HPLC Grade and trifluroacetic acid AR grade (make E-merck)

# Method of Preparation of Pellets:

 ${\bf Extrusion-Spheronization.}$ 

Physical Specifications: White to off White semispherical pellets

Mech Size	Doge To	Fill Weight	Capsule Size
14#20	120 mg	240 mg	2

## Evaluation of Pellets:

- Angle of Repose:
- Bulk Density:

### Drug release:

Medium: 0.1N hydrochloric acid containing 2% sodium lauryl sulphate