



PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

FACTORY ACCEPTANCE TEST FOR VIBRO SIFTER

Department: Quality Assurance

FAT No.:

Title: Factory Acceptance Test

Effective Date:

Supersedes: Nil

Review Date:

**FACTORY ACCEPTANCE TEST
FOR
VIBRO SIFTER**



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1.0 APPROVAL:

INITIATED BY:

DESIGNATION	NAME	SIGNATURE	DATE
OFFICER/EXECUTIVE (QUALITY ASSURANCE)			

REVIEWED BY:

DESIGNATION	NAME	SIGNATURE	DATE
HEAD (PRODUCTION)			
HEAD (ENGINEERING)			

APPROVED BY:

DESIGNATION	NAME	SIGNATURE	DATE
HEAD (QUALITY ASSURANCE)			



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1.0 INTRODUCTION:

- The objective of this protocol is to confirm that the machine Vibro sifter manufactured by M/s., at their Works in is in line with the specifications as desired by the customer.
- The objective of this Factory Acceptance Test is to verify that the equipment has been built & engineered according to the design specification and as a result approves the equipment for shipping to the site. Handover will be following completion of successful site acceptance test.

2.0 SCOPE

3.1 The scope of this protocol is limited to the Factory Acceptance Test of Vibro sifter.

3.2 Any auxiliary equipment supporting this machine, required along with the machine, for its effective overall performance shall not be tested in this protocol. Any such auxiliary equipment, if present, shall be tested separately.

3.0 RESPONSIBILITY

The Qualification group comprising of a representative from each of the following departments, shall be responsible for the overall compliance of this protocol:

Departments	Responsibilities
Quality Assurance	<ul style="list-style-type: none">• Preparation, review, approval and compilation of the FAT Document.• Co-ordination with Production and Engineering to carryout activity.
Production	<ul style="list-style-type: none">• Review of FAT Document.
Engineering	<ul style="list-style-type: none">• Review of FAT Document.• To co-ordinate and support FAT Activity.



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4.0 VERIFICATION OF TECHNICAL SPECIFICATIONS OF SUB-COMPONENTS & BOUGHT OUT ITEMS.

S.No.	Parameters	Specification	Observation	Remark
1.	Machine Name	Vibro Sifter- Russell type		
2.	Application	Inline sifting/Grading with vacuum transfer system		
3.	Product Contact parts	S.S.316		
4.	Non Product contact parts	S.S.304		
5.	Product Contact parts Finish	Ra 0.5 Mirror		
6.	Non Product Contact parts Finish	Ra 0.8 Matt		
7.	Output kg / hour	75 to 300 Kg/hr		
8.	Sieve Dia.	558 mm / 22 Inch		
9.	Sieve Mesh	16 Mesh- Can be as per your requirements		
10.	Charging height	1100 mm with tri clove connection		
11.	Discharging height	750 mm with tri clove connection		
12.	Motor type	Special vibro motor with foot mounting and two side Vibration block mounted.		
13.	Electric Power	0.5 hp/0.37 kw/3 phase/ 50 Hz		
14.	Magnetic grill	Detachable type Provides Underneath of sieve.		
15.	Clamping of hopper	4 nos. Quick release type Provides.		
16.	Vibrating spring	4 nos. made from spring Steel.		
17.	Machine structure	Made from S.S.304 Pipe		
18.	Machine mounting	On 4 nos. PU wheel with 2 nos. break.		



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S.No.	Parameters	Specification	Observation	Remark
19.	Electric controls panel	Electric Panel		
		ON-OFF push button for sifter		
		Main Isolate switch		
		MCB, Contactor, Relay, Controls relay & SMPS		
20.	Safety futures	Overload relay controls		
21.	Documents	Machine Instruction manual with assembly drawings, parts list and electric wiring diagram		
		Validation documents for DQ,FAT,IQ,SAT,OQ		
		Test certificate & MOC Certificate		
22.	Require utilities	Electric Power: 0.75kw/3 phase/415v/50Hz		
	Steam	Nil		
	Compressed air	Nil		
	Hot water	For washing required		
	Plain water	For washing required		
	D.M. water	For washing required		
23.	Overall Dimension (cm)	90 x 90 x 130 H		
24.	Net Weight	190 Kg		



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5.0 VERIFICATION OF MATERIAL OF CONSTRUCTION CERTIFICATES

S.No.	Component	MOC	Observation	Remarks
1.	Product Container	SS 316		
2.	Sieve for product container	SS 316		
3.	Contact part	SS 316		
4.	Non contact part	S.S.304		
5.	Main Body	SS 304		
6.	Rubber Seal			

6.0 VERIFICATION OF SAFETY FEATURES

S.No.	Features	Observation	Remarks
1	Overload relay controls		
2	Emergency stop		

7.0 VERIFICATION OF TEST/CALIBRATION CERTIFICATES

S.No.	Component	Status	Observation	Remarks
1.	Main Drive Motor	Test Certificate		
2.	Material of construction	Test Certificate		
3.	Electrical drawing	Should be available		
4.	GA Drawing	Should be available		
5.	P & ID Drawing	Should be available		

8.0 VERIFICATION OF SURFACE FINISH

S.No.	Component	Surface Finish-Mirror/ Matt	Observation	Remarks
1.	Product contact part	Mirror		
2.	Non product contact part	Matt		



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10.0 SUGGESTIONS / MODIFICATIONS

S.No.	SUGGESTION (IF ANY)	MANUFACTURER'S ACCEPTANCE
1.		
2.		
3.		
4.		
5.		

11.0 ABBREVIATIONS

Acronym	Definition
OSD	Oral solid dosage form
QA	Quality Assurance
FAT	Factory acceptance test
A.C.	Alternating current
HP	Horse power
Kw	Kilo-watt
VFD	Variable frequency drive
MCB	Miniature circuit breaker
PO	Purchase order
EC	European commission
V	Volt
Hz	Hertz
NA	Not applicable
EU	European union
cGMP	Current Good Manufacturing Practice
GMP	Good Manufacturing Practices



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12.0 POST APPROVAL

Name	Designation	Department	Signature

MANUFACTURER

Name	Designation	Department	Signature