

FILE No.**Creator : Mr. Firoj****Moderator : Shri A.V.Muralidharan (Dy. CEO GeM)****Approver : A.K Kamra****Sub Category :****: UNSPSC Code****Laboratory Stirrer**

S.No.	Parameters			Value 1	Value2	Value 3	Value 4	Value 5	Validatio n	Whether Filter Required	Golden paramete r	U n i t
Standards												
1	Certification of Product	S	E	CE							G	
2	Certiifcation NO and date	S	Text								G	
Performance Parameters												
3	Application	P	E	Used for for stirring / mixing etc. of chemical, pharmaceutical, food and cosmetic products.							G	
4	Type of base stand	P	E	U Type	A Type	H type	Plate Type	No stand provided			G	
5	Type controller	P	E	Microprocessor	Digital							
6	Type of Motor	P	E	AC induction	DC	BLDC					G	
7	Motor rating in hp	P	E	1/2	1/4	1/8	3/4	2/3				

S.No.	Parameters			Value 1	Value2	Value 3	Value 4	Value 5	Validation	Whether Filter Required	Golden parameter	Unit
8	Geared	P	E	yes	no						G	
9	Tacho feed back	P	E	yes	no						G	
10	speed control	P	E	yes	No						G	
11	speed range	P	E	50-550	50-2000	100-4000						
12	wattage	P	N									
13	soft start	P	E	Yes								
14	stirring shaft length	P	E	250	350	310	275	550				
15		P	E	480	730							
16	stirring shaft diameter	P	E	6	8	10	12					
17	stirring shaft material	P	E	SS								
18	impeller type	P	E	axial turbine	pitched fan	saw cutter	4 cross blade	teflon paste				

S.No.	Parameters			Value 1	Value2	Value 3	Value 4	Value 5	Validation	Whether Filter Required	Golden parameter	Unit
19	impeller diameter	P	E	36	38	52	55	65			G	
20		P	E	75	90	100	120				G	
21	Maximum stirring capacity in litres	P	E	5	100	20	40					
22	Flame proof	P	E	yes	no						G	
23	Type of display	P	E	LED	LCD							
24	Timer range	P	E	0 to 99 minutes								
25	last parameter recall	P	E	yes	no							
26	auto restart	P	E	yes	no							
27	chuck size in mm	P	E	yes	no							
28	chuck size in mm	P	E	1.5 to 10	1.5 to 13							
29	motor protection in case of over load	P	E	yes(LED Light flash ,auto stop)								
30	power supply	P	E	230 v plus minus 10% 50 hz	415 v three phase 50 hz plus minus 10%							
31	weight of laboratory stir in kg	P	N									
32	Dimension of laboratory stir	P	E									
33	Warranty in years	R	E	1	2	3	4	5				

S.No.	Parameters			Value 1	Value2	Value 3	Value 4	Value 5	Validation	Whether Filter Required	Golden parameter	Unit
Reports												
34	ISO certification of manufacturer	R	E	Yes								
35	ISO Certification No and date	R	Text								G	
36	Availability of test report from govt/ NABL/ILAC accredited lab covering all parameters	R	Enumerable	Yes	No							
37	Test report number , Incase test reports not available , put NA	R	Text									
38	Name of test lab , Incase test reports not available , put NA	R	Text									
39	Address of test lab , Incase test reports not available , put NA	R	Text									Kg
40	Copies of all certifications and reports to be provided to buyer on demand at time of supplies ,	R	Enumerable	Yes	NA , Incase test reports not available							