

	RM-SPECIFICATION		DOCUMENT STATUS
	Material : Squib Ignitor Item Code: Purpose : Electricals		DRAFT
MATERIAL CODE:	E01	DOCUMENT NO.	

S.no	Description	UOM	Specification
1.	Physical State / Color	-	Solid
2.	Grade		
3.	Igniter Resistance	Ohm	.
4.	Head mass test	grams	Range of powder mass:0.03gms to 0.12gms
5.	Thermal Cycling		Duration:6hrs, Temp:- (60+5) deg c for each cycle this test is carried for 3 cycles
6.	Vibration	Hz	Frequency 20-25HZ
7.	Powder Piles	Ampere	Current 0.49-0.51A
8.	All fire current	Ampere	2000mA for 10ms
9.	No fire current	Ampere	500mA for 300 sec
10.	Surface texture		
11.	Thermal conductivity		
12.	MSDS no.	-	
13.	CAS no.		121-82-4
14.	Acceptance Criteria		
a.	Visual Acceptance	-	
b.	Dimensions	-	Drawing no:
c.	Thermal conductivity	W/m-K	
d.	Electrical properties	Ohm	0.75-1.20
15.	Properties	Test Method	Test Agency
a.	Quantitative analysis	ICPMS	IIT-HYD/CMET
b.	Dimensions	Vernier & others	RES
c.	Electrical properties	Ohmmeter & others	RES
d.	Thermal Conductivity	COC	NABL, IIT-HYD, CMET

PREPARED BY:		REVIEWED & APPROVED BY:
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RENEWABLE ENERGY SYSTEMS LIMITED