

	<b>RM-SPECIFICATION</b> <b>Material : Lead Sulphate</b> <b>Item Code:</b> <b>Purpose : Cathode</b>		DOCUMENT STATUS
			<b>DRAFT</b>
<b>MATERIAL CODE:</b>	C08	<b>DOCUMENT NO.</b>	28

  

	Description	UOM	Specification
1	Physical State / Color	-	Powder / white
2	Assay Content	%	98
4	Grade		AR
5	Mol. Wt.	g/mol	303.2
6	<b>Element</b>	<b>%</b>	<b>Percentage</b>
a)	Lead Sulphate	%	98
b)	Water soluble substance	%	0.05
c)	Substance soluble in. Solution of sodium acetate	%	0.05
d)	Iron (Fe)	%	0.002
e)	Chloride (Cl)	%	0.002
7	Melting point	°C	1087
8	Boiling point	°C	XXX
9	Particle size distribution	µm	50-150 mesh
10	Bulk density	g/cm3	XXX
11	Supplier		Elegance Scientific
12	MSDS no.	-	XXX
13	CAS no.	-	7446-14-2
14	<b>Acceptance Criteria</b>		
a)	Visual Acceptance	-	White
b)	Assay Content	%	97±1
c)	Melting point	°C	1087
15	<b>Properties</b>	<b>Test Method</b>	<b>Test Agency</b>
a)	Quantitative & qualitative analysis	ICPMS/XRD/ED-XRF	NABL, IIT-HYD, CMET
b)	Morphology & Particle size distribution	Scanning electron microscope (SEM)	NABL, SRR labs
c)	Specific heat & Thermal Conductivity	DSC/TGA	NABL, IIT-HYD, CMET

  

PREPARED BY:		REVIEWED & APPROVED BY:
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<b>RENEWABLE ENERGY SYSTEMS LIMITED</b>
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