

	RM-SPECIFICATION Material : Benzene (C₆H₆) Item Code: Purpose : Consumables		DOCUMENT STATUS
			DRAFT
MATERIAL CODE:	C03	DOCUMENT NO.	45

S.no	Description	UOM	Specification
1.	Physical State / Color	-	Liquid/colorless
2.	Assay Content (By GC)	%	98
3.	Grade	%	AR/ACS
4.	Mol. Wt.	g/mol	78
5.	Element	%	Percentage
a.	Acidity	%	0.001
b.	Alkanity	%	<0.0001
c.	Iron (Fe)	%	<0.00005
d.	Lead	%	0.00002
e.	Sulphur	%	0.0003
6.	Density	g/cm ³	0.877 - 0.878
7.	Melting point	°C	5.5
8.	Boiling point	°C	80.1
9.	MSDS no.	-	XXXX
10.	CAS no.	-	71-43-2
11.	Acceptance Criteria		
a.	Visual Acceptance	-	Clear colorless Liquid
b.	Assay Content (By GC)	%	98
12.	Properties to be tested	Test Method	Test Agency
a.	Purity Analysis	NMR/GC/COC	NABL, IIT-HYD/CMET

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