

	RM-SPECIFICATION		DOCUMENT STATUS
	Material : Nitric Acid (HNO ₃) Item Code: Purpose : Consumables		DRAFT
MATERIAL CODE:	C11	DOCUMENT NO.	46

S.no	Description	UOM	Specification
1.	Physical State / Color	-	Liquid/colorless
2.	Assay Content	%	68
3.	Grade	-	AR
4.	Mol. Wt.	g/mol	63.01
5.	Element	%	Percentage
a.	Nitric Acid (HNO ₃)	%	68
b.	Sulphates (SO ₄)	%	0.0002
c.	Chlorides (Cl) max.	%	0.00005
d.	content of phosphates (PO ₄)	%	0.0001
e.	Iron (Fe)	%	0.00002
f.	Heavy Metals (Pb)	%	0.00002
6.	Specific gravity	g/ml	1.42
7.	Melting point	°C	-42
8.	Boiling point	°C	83
9.	Supplier	-	Sneha Scientific
10.	MSDS no.	-	XXX
11.	CAS no.	-	7697-37-2
12.	Acceptance Criteria		
a.	Visual Acceptance	-	Clear colorless liquid
b.	Assay Content	%	68 ± 2
c.	Boiling point	°C	83 ± 2
13.	Properties	Test Method	Test Agency
a.	Purity Analysis	NMR/COC	NABL, IIT-HYD/CMET

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