Form # QA FRM 06 Revision # 00 Date of Issue: 01-11-2015

Samuda Chemical Complex Ltd.

Sikirgaon, Gazaria, Munshigonj

Raw material Analysis Report

Sample Name	: SALT (NaCl)	Ref. No.	: N/A
Lot No	: SL-01	Sample receiving date	: 25.11.2016
Sample ID/Code No	: 16-015418	Sample Testing Date	: 25.11.2016
Sample Location	: M.V.Habibullah	Test Method No	: RM-07/M-07
Supplier	: N/A		

Sl#.	Test	Units	Standard Specifications	Observed Values	Remarks
01	Physical Appearance	-	A white or off white crystalline solid	Complies	
02	Identification	-	Complies USP, BP, BIS	Complies	
03	NaCl	%w/w	98.50(min)-Dry Basis 95.00(min)-Wet Basis	99.11(Dry-Basis) 96.61(wet Basis)	
04	$NO3^{2-}$ (UV-absorption,354nm,10%water	%w/w	0.0001	-	
05	PO_4^{2-}	%w/w	≤0.0025	-	
06	SO_4	%w/w	≤0.38	0.08	
07	Heavy Metal (as Pb)	%w/w	0.0005 (max)	-	
08	Ca (Calcium)	%w/w	≤0.12	0.05	
09	Mg (Magnesium)	%w/w	≤0.06	0.02	
10	Fe (Iron)	ppm	≤10	1.29	
11	I_2	ppm	≤0.20	0.04	
12	Insoluble	%w/w	≤0.50	0.37	
13	As	%w/w	0.0005	-	
14	Moisture (105°c, 2h)/Moisture	%w/w	≤3.5	2.50	

Tested by: 25.11.2016 Checked by: 25.11.2016 Approved by: 25.11.2016

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Raw material Analysis Report

Sample Name	: ALUM	Ref. No.	: PO-5928
Lot No	:N/A	Sample receiving date	: 23-12-2016
Sample ID/Code No	:16-016857	Sample Testing Date	:23-12-2016
Sample Location	: Store (DM-TA-14-9995	Test Method No	: RM-01/TM-01
Supplier	: M/S Modi & Co.		

Sl#.	Test	Units	Standard Specifications	Observed Values	Remarks
01	Appearance	Def'n	A White Crystalline Solid	Complies	
02	Identification	Def'n	Freely soluble in water, insoluble in ethanol	Complies	
03	pH Value of 5% solution	Value	2.9(min)	2.25	
04	Alum	%w/w	99-100.5	99.32	
05	$Al_2(SO_4)_3$	%w/w	54-59	54.0	
06	Al_2O_3	%w/w	16-16.5	16.09	
07	Loss on drying	%w/w	40-46(max)	45.68	
08	Total Iron	%w/w	0.75(max)	-	
09	Insoluble Matter	%w/w	0.5(max)	-	
10	Lead (pb)	ppm	100		
11	Nickel (Ni)	ppm	100	-	

Tested by: _____ Checked by: 23.12.2016 Approved by: 23.12.2016

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Raw material Analysis Report

Sample Name	: SALT (NaCl)	Ref. No.	: PO-6043
Lot No	: SL-08	Sample receiving date	: 16.12.2016
Sample ID/Code No	: 16-016531	Sample Testing Date	: 17.12.2016
Sample Location	: M.V. Banglar Shapno	Test Method No	: RM-07/M-07
Supplier	:		

Sl#.	Test	Units	Standard Specifications	Observed Values	Remarks
01	Physical Appearance	-	A white or off white crystalline solid	Complies	
02	Identification	-	Complies USP, BP, BIS	Complies	
03	NaCl	%w/w	98.50(min)-Dry Basis 95.00(min)-Wet Basis	99.35 (Dry-Basis) 95.94(Wet Basis)	
04	$NO3^{2-}$ (UV-absorption,354nm,10%water	%w/w	0.0001	-	
05	PO_4^{2-}	%w/w	≤0.0025	-	
06	SO_4	%w/w	≤0.38	0.11	
07	Heavy Metal (as Pb)	%w/w	0.0005 (max)	-	
08	Ca (Calcium)	%w/w	≤0.12	0.04	
09	Mg (Magnesium)	%w/w	≤0.06	0.02	
10	Fe (Iron)	ppm	≤10	1.04	
11	I_2	ppm	≤0.20	0.09	
12	Insoluble	%w/w	≤0.50	0.15	
13	As	%w/w	0.0005	-	
14	Moisture (105°c, 2h)/Moisture	%w/w	≤3.5	3.41	

Tested by: 17.12.2016 Checked by: Approved by: 17.12.2016

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Raw material Analysis Report

Sample Name	: NORMAL PARAFFIN	Ref. No.	: L/C No.249016021236
Lot No	: SL- 02+03+04+05+06	Sample receiving date	:25.12.2016
Sample ID/Code No	:16-017005	Sample Testing Date	:26.12.2016
Sample Location	: Mixed02+03+04+05+06)	Test Method No	: RM-06/M-06
Supplier	: Power Key Microelectronics		

Sl#.	Test	Units	Standard Specifications	Observed Values	Remarks
01	Appearance & Color	Soya bolt	Clear & Colorless	Clear & Colorless	
02	Temperature	°C	20-30	26	
03	Specific Gravity	–	0.74 -0.76	0.740	
04	Flash Point	°C	Not less than 90	80	
05	Aromatic Color	%w/w	Nil	Minor Aromatic Present	
06	Iron Content	ppm	Nil	0.65	
07	IBP	°C	230(Min.)	288	
08	FBP	°C	270(Min.)	296	

Tested by: 25.12.2016 Checked by: Approved by:

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Monthly Laboratory Consumption

Type of Item: Chemical Consumption

Month: December-2016 **Date: 27-12-2016**

Sl#	Name of the Item	Unit	Quantity	Remarks
01	Acetic Acid	ml	750	
02	Ammonia Solution	ml	1910	
03	Ammonium Chloride	gm	324	
04	Barrium Chloride	gm	56	
05	Benzyl Alcohol	ml	150	
06	Bromocressol Green	gm	0.075	
07	Dottite NN Powder	gm	1	
08	EDTA-Mg	gm	60	
09	EDTA-Na	gm	122	
10	Etanol	ml	1270	
11	EBT	gm	0.4	
12	Free Chlorine Reagent Set	Pcs	75	
13	Hardness Reagent set	Test	290	
14	Hydrochloric Acid	ml	959	
15	Hydrogen peroxide	ml	246	
16	Iso-amyl Alcohol	ml	20	
17	Metallic Sodium	gm	4.2	
18	Methyl Red	gm	0.05	
19	n-butabol	ml	50	
20	Nitric Acid	ml	645	
21	Nitro Benzene	ml	50	
22	Potassium Chromate	gm	50	
23	Phenolphthalein	gm	10	
24	Potassium Hydroxide	gm	528	
25	Potassium Iodide	gm	2260	
26	Silver Nitrate	gm	214	
27	Sodium Chloride	gm	50	
28	Sodium Sulphate	gm	250	
29	Sodium Thi-sulphate	gm	1012	
30	Starch Powder	gm	7	
31	Sulphuric Acid	ml	1050	

32	Ferrover Iron Reagent Set	Pcs	83	
33	Methyl Orange	gm	0.5	
34	Tri-ethanol amine	ml	200	
35	Ammonium Thio-cyanate	gm	30.4	
36	Ferrous Ammonium Sulphate	gm	89	
37	Aluminum Reagent Set	pcs	04	
38	Chloroform	ml	120	
39	Nickel Reagent Set	Pcs	4	
40	Silica Reagent Set	pcs	5	
41	5-Sulfosalic acid	gm	20	
42	Acetone	ml	300	
43	Bromine	ml	200	
44	Barium diphenylamine	gm	0.126	
45	Methanol	ml	225	
46	Ferric Ammonium Sulphate	gm	40	
47	Ammonium Acetate	gm	~~40~~ 54	

Prepared by: _____ Checked by: _____ Approved by: _____

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