

ている。



0.4 ~ 0.6

550

1 ~ 1.5

0.4 ~ 0.5

HSZ 220NA A

Table 4. Typical Chemical Composition

Element	Symbol	Unit	Typical Value
Carbon	C	%	0.02
Manganese	Mn	%	0.01
Phosphorus	P	%	0.005
Sulfur	S	%	0.002
Chromium	Cr	%	0.01
Nickel	Ni	%	0.01
Copper	Cu	%	0.01
Aluminum	Al	%	0.01
Silicon	Si	%	0.01
Iron	Fe	%	0.01
Zinc	Zn	%	0.01
Lead	Pb	%	0.01
Antimony	Sb	%	0.01
Strontium	Sr	%	0.01
Barium	Ba	%	0.01
Calcium	Ca	%	0.01
Magnesium	Mg	%	0.01
Fluorine	F	%	0.01
Chlorine	Cl	%	0.01
Bromine	Br	%	0.01
Iodine	I	%	0.01
Hydrogen	H	%	0.01
Oxygen	O	%	0.01
Nitrogen	N	%	0.01
Water	H ₂ O	%	0.01

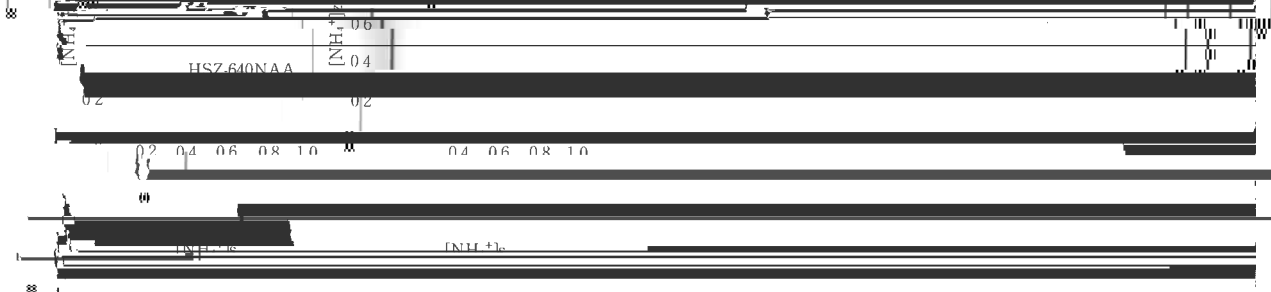
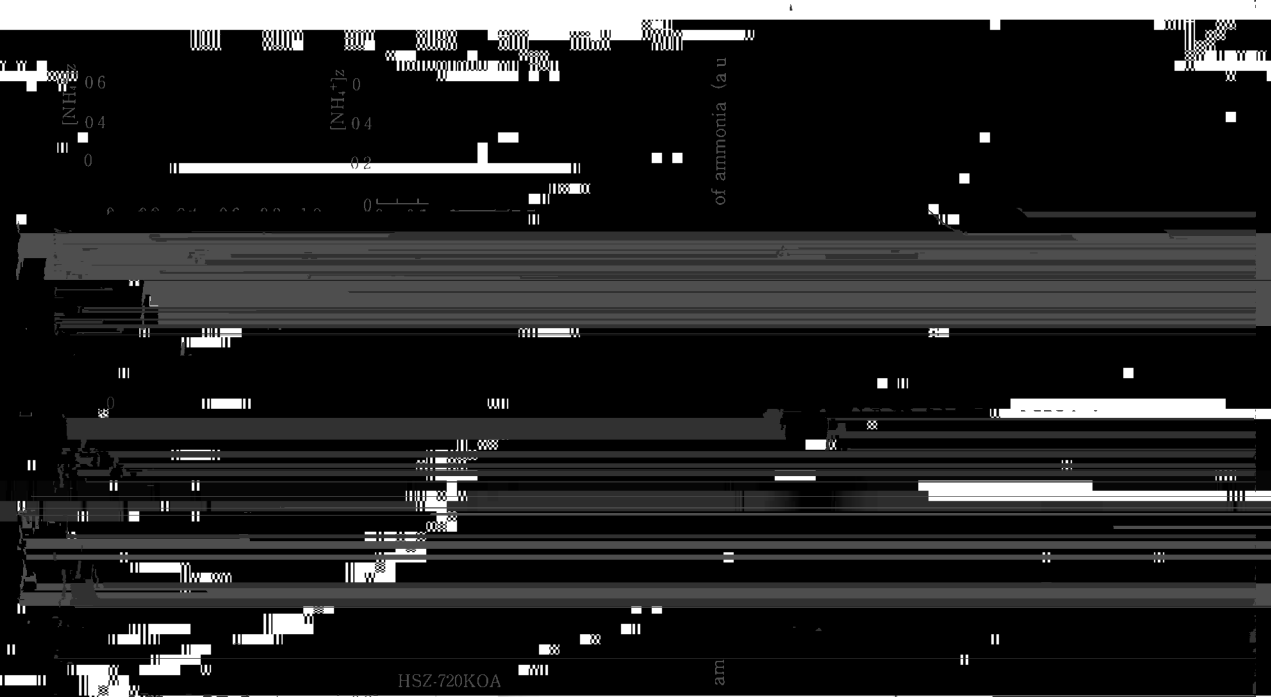
Table 4. Typical Chemical Composition

HSZ 220NA A

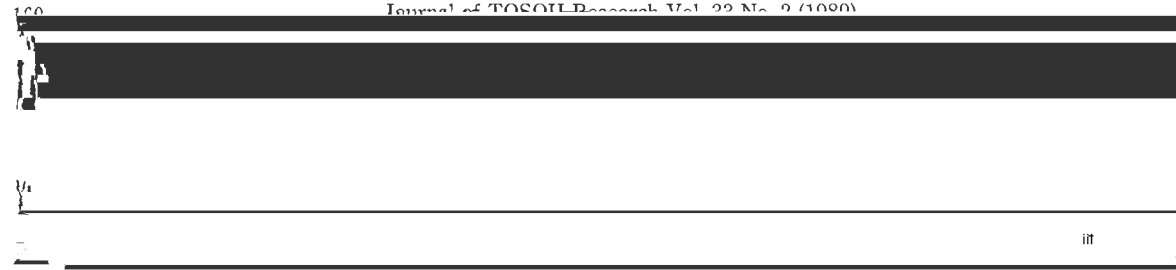
Table 4. Typical Chemical Composition

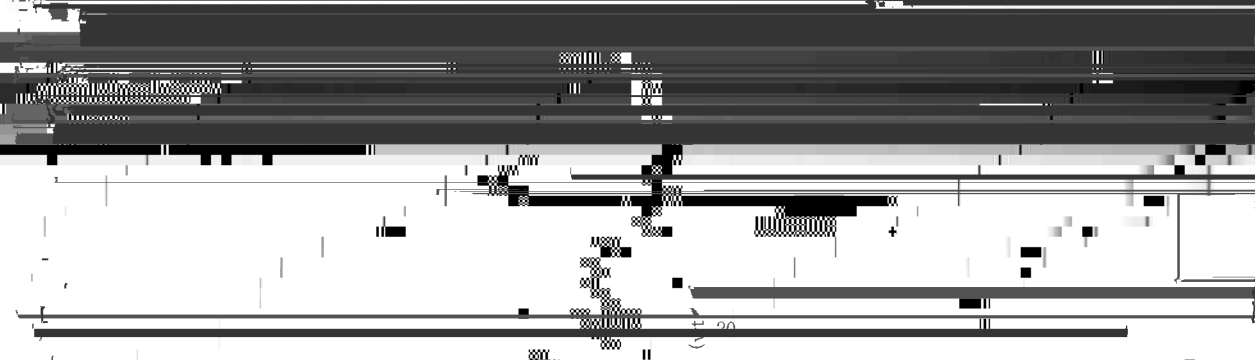
Table 6 Typical Chemical Composition of HSZ-600 Series

Element	HSZ-600 Series	HSZ-600 Series	HSZ-600 Series
Al ₂ O ₃ (wt% dry basis)	11.7	11.7	19.4
SiO ₂ (wt% dry basis)	88.3	88.3	80.6
Fe ₂ O ₃ (wt% dry basis)	0.1	0.1	0.1
CaO (wt% dry basis)	0.1	0.1	0.1
MgO (wt% dry basis)	0.1	0.1	0.1
Na ₂ O (wt% dry basis)	0.1	0.1	0.1
K ₂ O (wt% dry basis)	0.1	0.1	0.1
SO ₃ (wt% dry basis)	0.1	0.1	0.1
Loss on ignition (wt% dry basis)	0.1	0.1	0.1



80°C
 $[NH_4^+]_2$: $(NH_4^+ \text{ ion equivalent}) / (\text{all cation equivalent})$ in zeolite
 Molecular diameter (Å)
 10 $(C_6F_5)_3N$
 9
 7 Neopentane
 Cyclohexane
 6 CCl_4 /Benzene





HSZ Series

LS100**

320HOA

8

0.2~0.5

500KOA

6

0.1~0.4



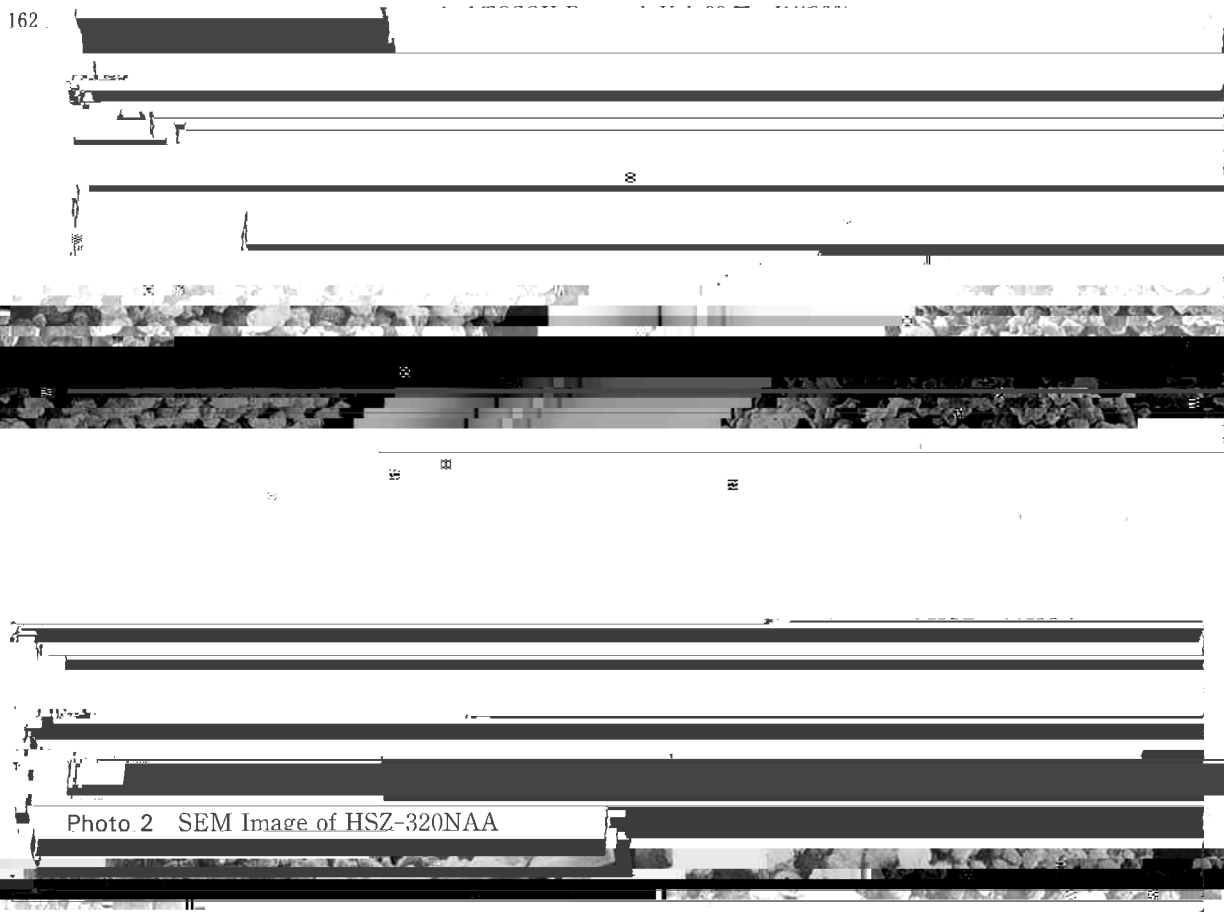
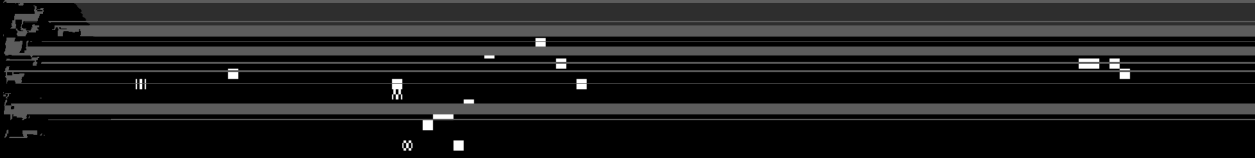
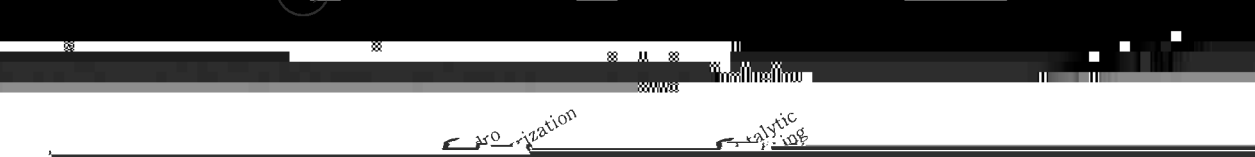


Photo 2 SEM Image of HSZ-320NAA

Table 11. Stability of A-11, HOS-3





Kerosene

Prozation

lytic

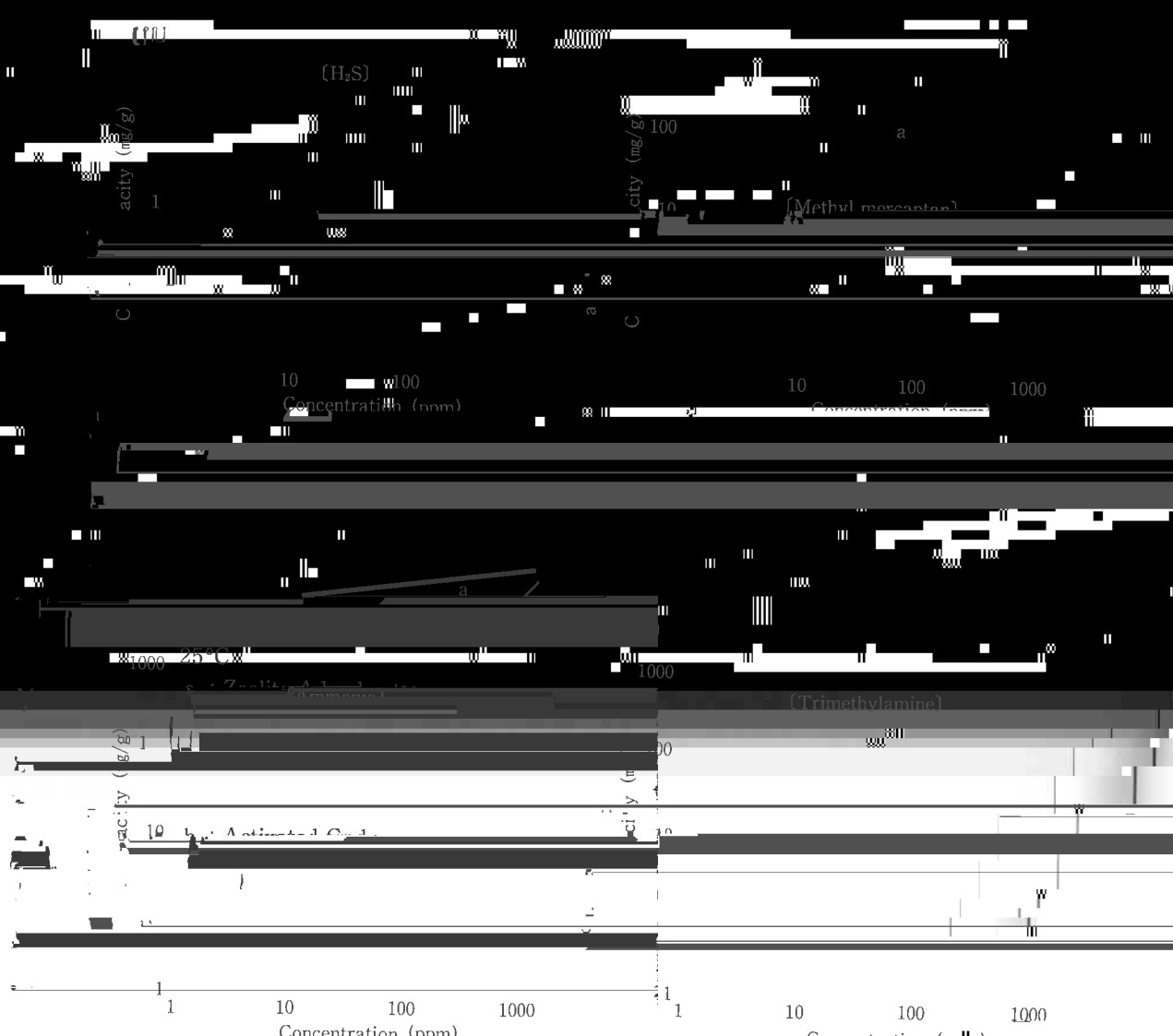


Table 12. Applications of H₂S Zeolite
 Fig. 13. Adsorption Capacity of Zeolite

Application	Concentration (ppm)	Capacity (mg/g)
Petrochemical Industry	1	10
	10	100
	100	1000
	1000	10000
	10000	100000
	100000	1000000
	1000000	10000000
	10000000	100000000
	100000000	1000000000
	1000000000	10000000000

