



## 1.2 ????????

????????1???

??1??NaOH????????????????????  
????????????????????????????pH?8~9????NaOH????????????????????Au?Ag?????10????????????  
Na2S????H2S????????NaOH????Au?Ag????????????????????

??—??PAC?????  
??PAM??PAC?PAM????????????????  
????????????????????????????????PAC?PAM????????0.5g/L?0.05g/L????????????????

??—??—??  
????????????

????????????????????????????????pH????????????????????????????????2???

??Na+?Cl-?NO3-?SO42-?????  
????????????????TDS?Tota lDissolved Solid????????????????????????????

## 2???????????

### 2.1 ????????

?????????????:????SBR??,?????????  
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????????????????????????????

### 2.2 ????????????

????????????????????????2???

PLC0.08MPa~-0.05MPa  
140#1#1#  
2#2#3#1#  
500kg/h

3??

### 2.3

4??

Cu?Zn?Cr?Mn?Hg?As?  
GB8978-1996Au?Ag?2.32mg/L?2.86mg/L?1.08mg/L?0.81mg/LAu  
?Ag?1669g/t?1312g/t?Cu?2.83  
%

GB8978-1996SS?COD?BOD5?  
As?  
60%90.52%Cu?Fe?94.39%0.22mg/L?  
0.05mg/LCOD?BOD5?74.44%86.08%?  
?

### 3??

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pH=8~9Au?Ag?  
Au?Ag?1669g/t?1312g/t?Cu?2.83%

135~-140~-0.08MPa~-0.05MPa?  
?  
?

3??