

CO₂ KOH Ca(OH)₂ CaCO₃ CO₂ Ca(OH)₂
 Ca(OH)₂ CaCO₃ CO₂ Ca(OH)₂

(?) CO₂ CO₂ 400 ppm
 0.04 CO₂

CO₂ 1 CO₂ 2
 0

CaCO₃
 (?)

CO₂ CO₂ CO₂
 CO₂
 CO₂

3 CO₂

CO₂

CO₂

NaOH CO₂

CO₂

500 g 890 Na₂CO₃ 106 g/mol

890/500 g × 106 g/mol 188.7 g/mol

1 mol/L 1 L 2813

NaOH 2813 g/mol

CO₂ 1 NaOH 2

$2\text{NaOH} + \text{CO}_2 \rightarrow \text{Na}_2\text{CO}_3 + \text{H}_2\text{O}$

5626???? 189??

????????????5600????NaOH+CO2????189??Na2CO3????????????????????????????????
 ?????????????????

????CO2?1???4????????5437????????1????123.6??1??(10^6
 g)????123.6 $\times 100$????1.2????????????????????????????????????

????????????????????????????????????20kg2060????1kg100????????????????500g760
 ?????1kg1500????????????????????????????CO2????????????????????

????CO2????????CCS????????2????????????????10????????????
 ?????????????????????????????CO2????????????????????????...?

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 ????????

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 ???

????????CO2????????????????????????CO2????????????????

??CO2????????????????????????????e-
 fuel????????CO2??(H2)????(CH4)????(CnHm)????

????????CO?O????H????????????????????????????????
 ?????CO?O????????H????????????????????

????????NH3????N2??H2????????????????????????
 ????????

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 ?????????50????????????????

????????????????????????CO2????CO2????
 ??CO2????????

CO2????????NaOH????H2??C2????CO
 2????

????Na2CO3????CO2????Na?CO2????Na2CO
 3??851???1600????1600????

????H2CO3????CO2????CO2????Na
 OH????

????CO2?NaOH????CO2????????
 ?????CO2?NaOH????

[illegible]