



*

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()

NaOH KOH

/ (R)

NaOH KOH

V/V R= NaOH

KOH NaOH :

[]

[]

(CNG)

(bar)

ANG

CNG

CNG

/ MPa

[]

[]

/ nm

(/ cm³/g m²/g)

¹ -Compressed Natural Gas
² -Adsorbed Natural Gas
³ -Activated Carbons (AC's)



دانشگاه صنعتی شيراز
دانشکده مهندسی شيراز



دوازدهمین کنفرانس ملی
مهندسی شيراز ايران



انجمن مهندسی
شيراز ايران

(AGLARG¹)

[]

V/V

[]

[]

[]

()

KOH NaOH

[]

NaOH

[]

KOH

]

[

NaOH KOH

[]

KOH NaOH

(R)

R

[]

[]

(%)	(%)	(%)	(%)
/	/	/	/

[]

°C (T)

/ (R)

°C

¹ -Atlanta Gas Light Adsorbent Research Group

² -Delivered Gas

³ - Anthracite



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دانشگاه فنی شیراز

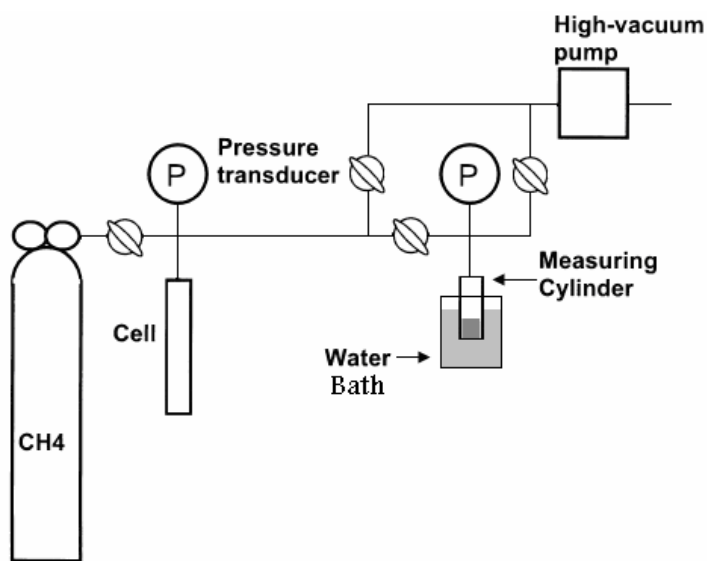
انجمن مهندسی شیمی ایران

μm

$K.min^{-1}$

$ml.min^{-1}$

$\pm / \%$ / MPa $^{\circ}C$ MPa Honeywell



$(/ MPa)$ $^{\circ}C$ $(^{\circ}C)$ **ANG** **bar bar** **[]**

¹ -Measuring Cylinder



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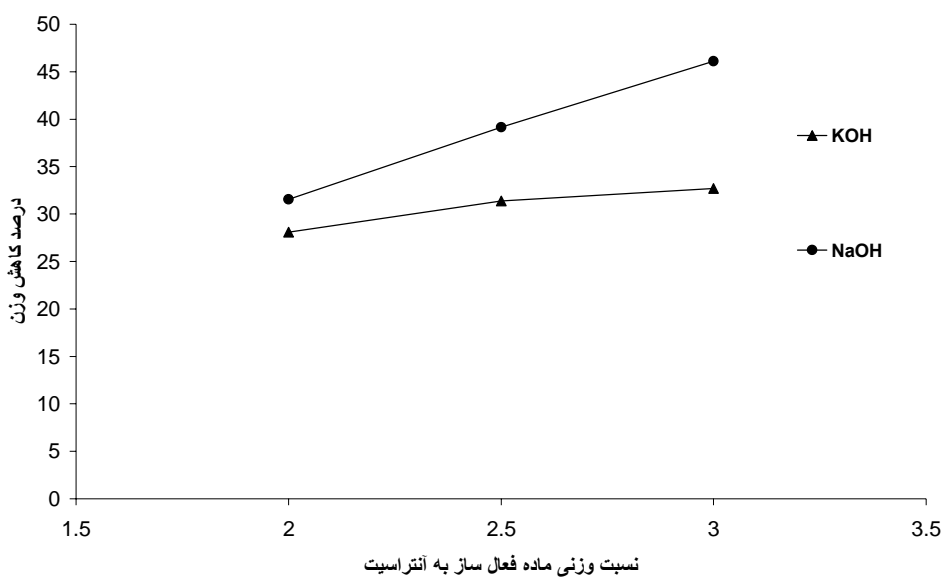
/ cm

[]

kg.cm⁻²

kg.cm⁻²

(Burn Off)



[]

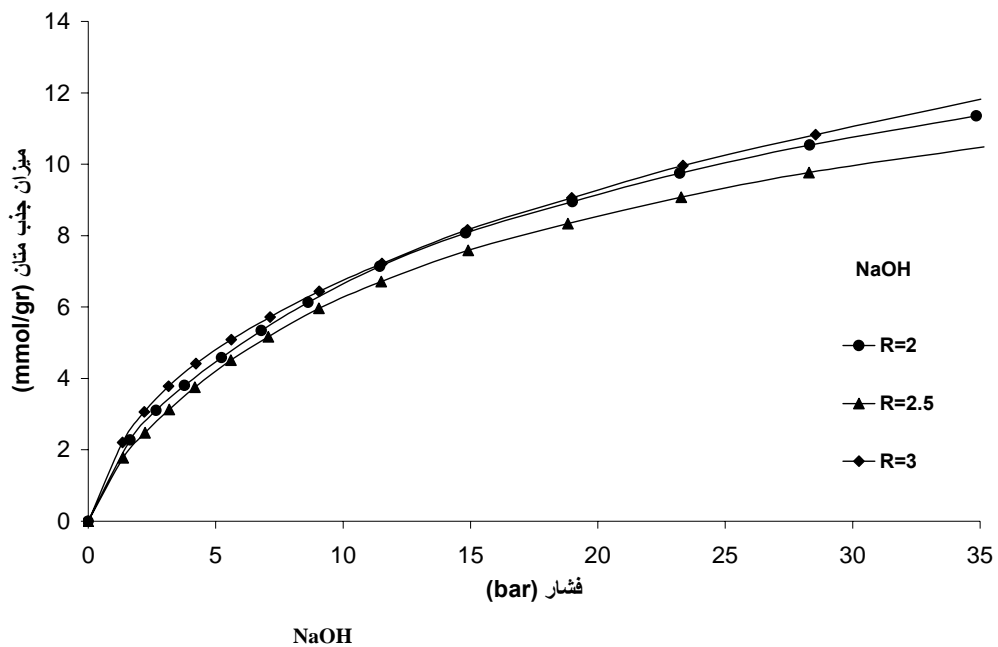
NaOH

R

(R)	(mg/g)	(R)	(mg/g)
(KOH series)		(NaOH series)	
/		/	

IR
 NaOH
 C=C KOH C≡C C=C
 NaOH

(R)
 R
 . []



/ R NaOH
 R

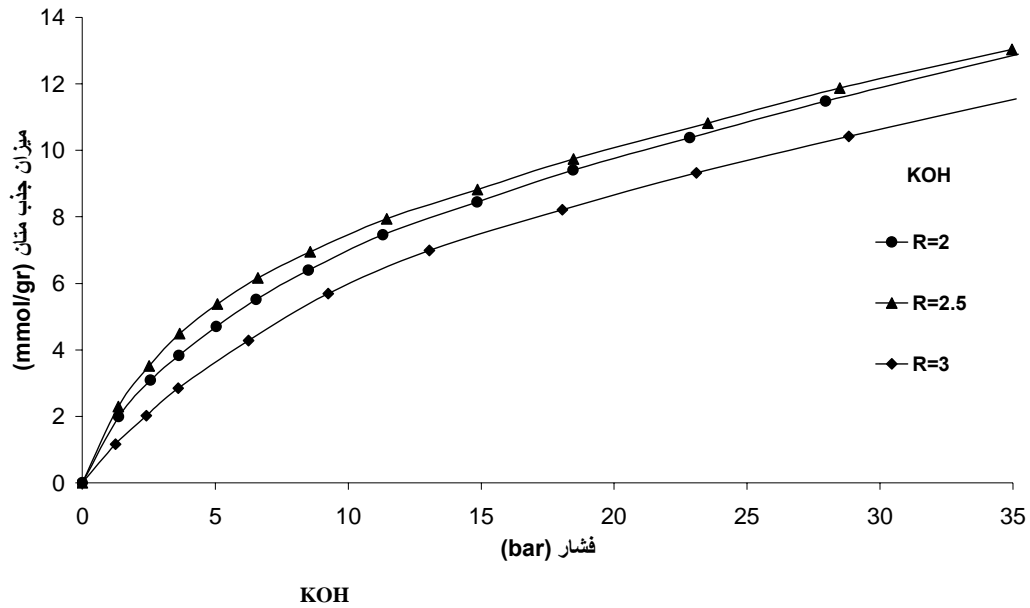
(V/V)



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Sample	Packing density (g/cc)	CH ₄ Uptake (V/V)	CH ₄ delivered (V/V)
NaOH, R=2	/	/	/
NaOH, R=2.5	/	/	/
NaOH, R=3	/	/	/
KOH, R=2	/	/	/
KOH, R=2.5	/	/	/
KOH, R=3	/	/	/

KOH
 NaOH
 mmol/g
 NaOH
 V/V
 NaOH
 V/V



KOH

%

V/V

NaOH

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