

## High performance activated carbon for metal adsorption (HFMSC) (1/2)

High  
Performance

Possible to **adsorb metal ions** that cannot be adsorbed by general standard activated carbon!  
**High adsorption performance of transition metals** comparable to ion exchange resins!!  
 Also, high adsorption performance of **heavy metals!!**

Sample	Raw material	Activation	Specific Surface Area m <sup>2</sup> /g	Acidic Functional Group meq/g	Adsorption characteristics				
					Ratio of HFMSC, IER to W10-30				
					Fe(III)	Co(II)	Cu(II)	Ru(III)	Pb(II)
					-	-	-	-	-
HFMSC	Coke	Alkali	2150	2.94	5.0	12.7	22.3	3.3	3.6
Standard	Coconut shell	Steam	1200	0.11	1.0	1.0	1.0	1.0	1.0
IER※	-	-	-	-	7.3	10.1	25.6	1.1	4.2

※IER : Ion Exchange Resin

Contact :

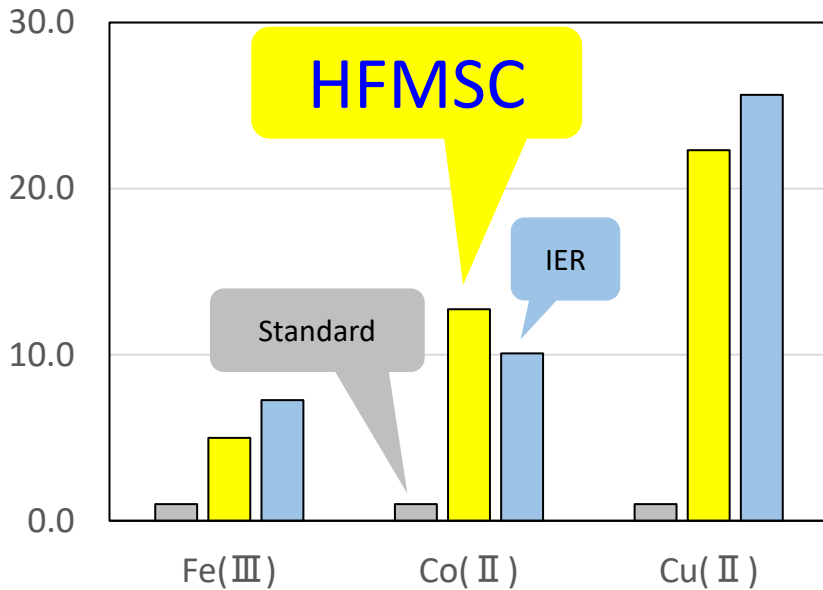
MC Evolve Technologies Corporation  
 Kansai Coke and Chemicals Company, Limited



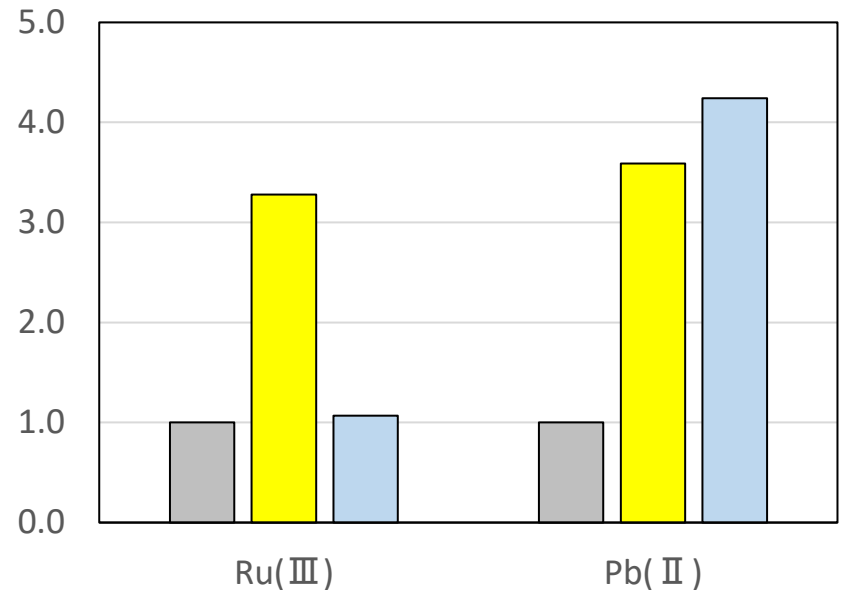
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# High performance activated carbon for metal adsorption (HFMSC) (2/2)

Performance comparison when Standard performance is set to "1"



Performance comparison when Standard performance is set to "1"



※IER : Ion Exchange Resin

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