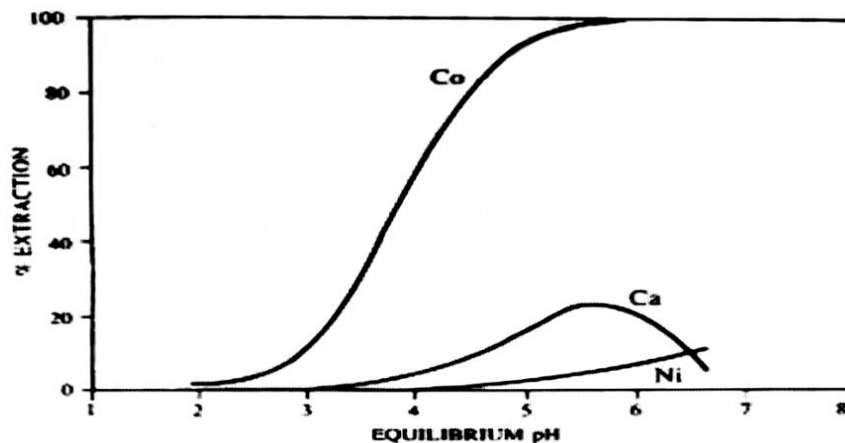
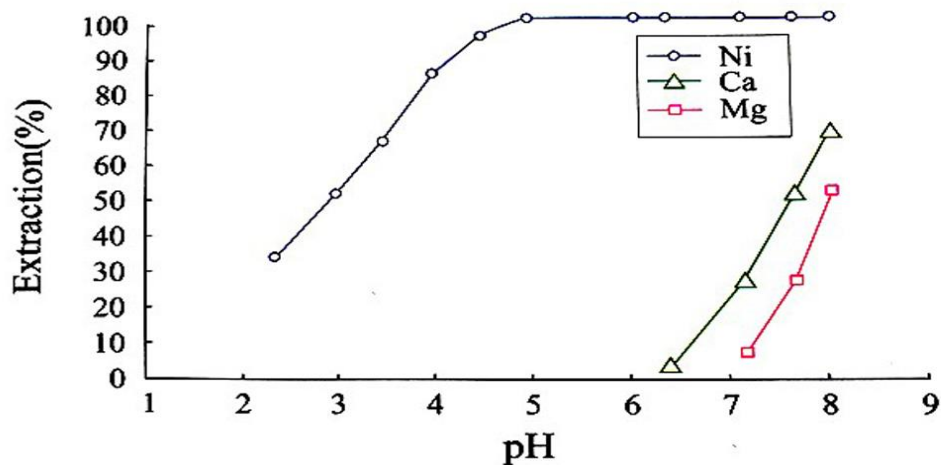




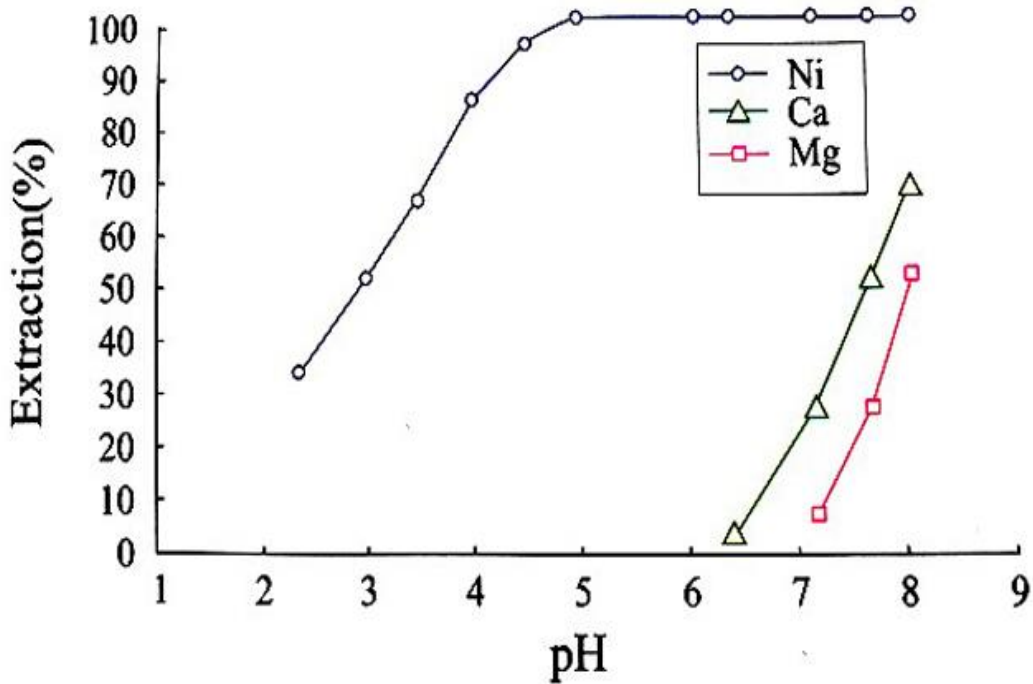
## Nickel Cobalt extraction reagent from Laterite-Nickel ore

DZ-Ni-EX01 is mainly used for leaching the impurity metals of Cobalt, Manganese, Copper, Zinc and others from Laterite-Nickel ore, the loss of leaching Nickel is small, the extracted quantity of Calcium and Magnesium ion is little, will not be able to make precipitation to stop the equipment running in the working process.

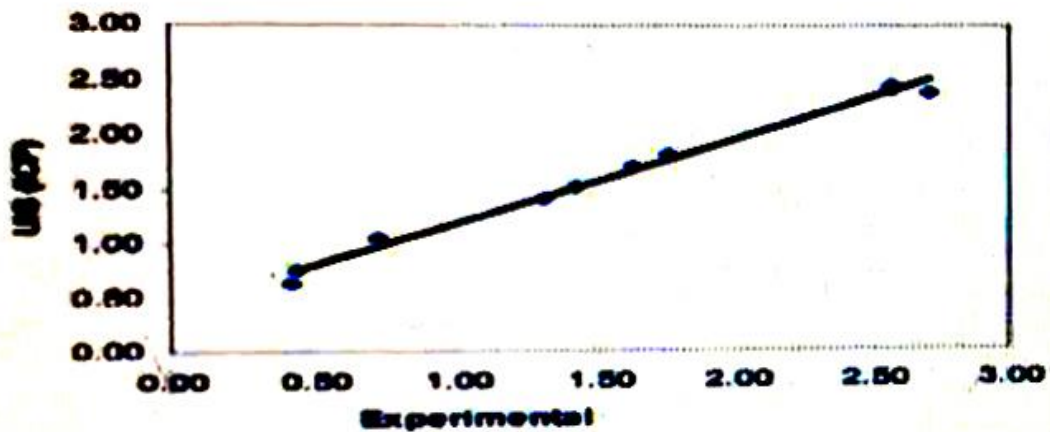
DZ-Ni-EX02 is used for exacting the raffinate of DZ-Ni-EX01, to extract the Nickel ion and a little Calcium Magnesium ion, through washing process to get high purity NiSO<sub>4</sub>. The Extraction pH isotherm as below:



DZ-Ni-EX01 can take away the ions of Cu, Zn, Co, Fe etc. Leave Ni, Mg, Ca to DZ-Ni-EX02, wash away Ca, Mg ion, only leave Ni ion.



Extraction pH isotherms of Ni, Mg and Ca by DZ-Ni-EX02



The extraction pH isotherm that exacting Ni, Ca, Mg ion by DZ-Ni-EX-02 in No. 260 solvent oil

## Dissolution and stability

DZ-Ni-EX-02 must be used under pH 6.2, the acidity of enrichment strip extraction should be kept below 180g/L. The extraction agent can keep stable and low water solubility.



## DZ-Ni-EX01



## DZ-Ni-EX02



<b>DZ-Ni-EX01</b>	
<b>ITEM</b>	<b>INDEX</b>
Appearance	Colorless or faint yellow liquid
Density (25°C)	0.92-0.93
Viscosity (50°C)	40cP
Water solubility	≤40mg/L
Boiling point	> 350°C
Flash point	> 100°C
Phase separation	< 60s

<b>DZ-Ni-EX02</b>	
<b>ITEM</b>	<b>INDEX</b>
Appearance	Faint yellow liquid
Density (25°C)	0.91-0.93
Viscosity (20°C)	45cP
Melting point	-30°C
Boiling point	> 270°C
Flash point	> 60-129°C
Phase separation	< 60s
Vapor pressure (20°C)	0.02kpa