

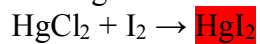
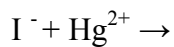
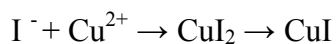
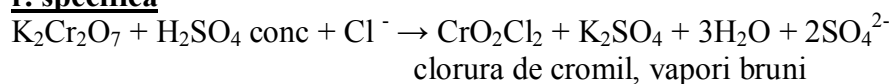
	AgNO₃	BaNO₃	HNO₃ dil
Grupa 1	Obtinem pp +	Nu obtinem pp -	Pp nu se dizolva -
Grupa 2	Obtinem pp +	Nu obtinem pp -	Pp se dizolva +
Grupa 3	Obtinem pp +	Obtinem pp +	Pp se dizolva +
Grupa 4	Obtinem pp +	Obtinem pp +	Pp se dizolva +
Grupa 5	Nu obtinem pp -	Nu obtinem pp -	Pp se dizolva +
Grupa 6	Nu obtinem pp -	Obtinem pp +	Pp se dizolva +

GRUPA I ANALITICA

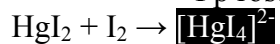
Cl⁻, Br⁻, I⁻ si SCN⁻ + Ag⁺ → saruri insolubile in apa si acid nitric diluat
 Cl⁻, Br⁻, I⁻ si SCN⁻ + Ba²⁺ → saruri solubile in apa

	Cl ⁻ clorura	Br ⁻ bromura	I ⁻ iodura	SCN ⁻ sulfocianic
	ionii halogenura			pseudohalogenura
H ₂ SO ₄ conc	NaCl + H ₂ SO ₄ conc → HCl + NaHSO ₄ Fum alb	amestec gazos de HBr si Br brun pp brun vapori violet	KI + H ₂ SO ₄ →	SCN ⁻ + H ₂ SO ₄ → efervescenta
AgNO ₃	AgCl	AgBr	AgI	AgSCN
	pp alb cazeinos	pp galbui cazeinos	pp galben	tiocianat de Ag
			2AgI + Cl ₂ → 2AgCl + I ₂ solutie rosu-brun	pp cazeinos
Hg ₂ (NO ₃) ₂ nitrat mercurous	Hg ₂ Cl ₂	Hg ₂ Br ₂	Hg ₂ I ₂	sol dil → Hg ₂ (SCN) ₂
	clorura mercuriosa (calomel) pp alb	pp galben	pp verde	tiocianat mercurous, alb
	Hg ₂ Cl ₂ + 2NH ₃ → HgNH ₂ Cl pp negru			exces de SCN → Hg[SCN ₃] + Hg
Pb(CH ₃ COOH) ₂ Acetat de pb	PbCl ₂	PbBr ₂	PbI ₂	
	pp alb, cristalin	pp alb	pp galben	
	fierbere → se dizolva, iar la racire recristalizeaza foite albe, stralucitoare		pp se solubilizeaza la cald, la racire recristalizeaza foite aurii	
CuSO ₄			CuI ₂ → CuI	cat pic → sol verde
			pp alb	exces → pp negru Cu(SCN) ₂

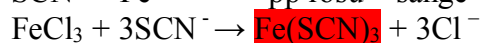
r. specifica



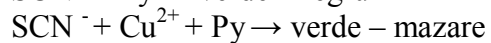
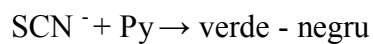
Pp rosu

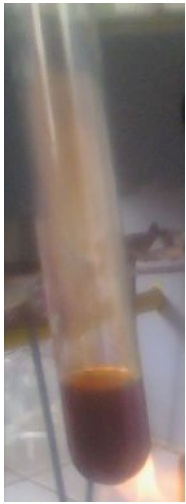


Pp se dizolva, se depune mercur metalic negru sub forma de compus



tiocianat feric, cul rosu-sange, sol in eter





$I + H_2SO_4 \rightarrow$ pp brun si vapori violet



$Cl^- + AgNO_3 \rightarrow$ pp alb
 $Br^- + AgNO_3 \rightarrow$ pp galbui
 $I^- + AgNO_3 \rightarrow$ pp galben
 $SCN^- + AgNO_3 \rightarrow$ pp alb



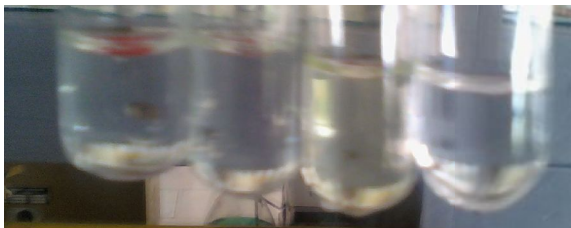
$Cl^- + Hg_2(NO_3)_2 \rightarrow$ pp alb
 $Br^- + Hg_2(NO_3)_2 \rightarrow$ pp galben



$Cl^- + Hg_2(NO_3)_2 + NH_4OH \rightarrow$ alb
 \rightarrow negru



$Br^- + Pb(CH_3COOH)_2 \rightarrow$ pp
 $Cl^- + Pb(CH_3COOH)_2 \rightarrow$ pp
 $I^- + Pb(CH_3COOH)_2 \rightarrow$ pp galben
 $SCN^- + Pb(CH_3COOH)_2 \rightarrow$ nu react



$Br^- + Ba(NO_3)_2 \rightarrow$ nu react
 $Cl^- + Ba(NO_3)_2 \rightarrow$ nu react
 $I^- + Ba(NO_3)_2 \rightarrow$ nu react
 $SCN^- + Ba(NO_3)_2 \rightarrow$ nu react



$Br^- + Cu^{2+} \rightarrow$
 $Cl^- + Cu^{2+} \rightarrow$
 $I^- + Cu^{2+} \rightarrow$
 $SCN^- + Cu^{2+} \rightarrow$