

PARTIAL LEACH CODES

LAST UPDATED : 5/1/2026

Leach Code	Primary Reagent	Secondary Reagent/Buffer	Leaching pH	Targeted Extraction Phase	Element Not available
PL-01	LabWest Proprietary Leach	Buffered NaCN	9	Gold and other pathfinder elements	Na
PL-02	Distilled Water		7	Water soluble or colloidal	
PL-03	Pyrophosphate 0.1M		10	Organically bound matter	Na, P
PL-04	Hydroxylamine HCl 0.1M		3	Mn Oxides & amorphous Fe Oxide	
PL-04N	Hydroxylamine HCl, 0.1M	0.01M HNO ₃	2	Manganese Oxides	
PL-04S	Hydroxylamine HCl 0.25M	0.25M HCl	1	Amorphous and Crystalline Fe Oxides and Mn Oxides	
PL-05	Aqua Regia 10% v/v		<1	Fe Oxides, partial acid soluble, free Au	
PL-05_B	Aqua Regia (1:1:1)		<1	Bioavailable proxy leach	
PL-06	Sodium Acetate (1M)	CH ₃ COOH	5	Exchangeable cations and carbonates	Na
PL-07	Potassium Iodide 0.1M	1M NaHCO ₃	7	Highly soluble chemical gold	K, I
PL-08	Potassium Cyanide (0.01% w/v)		10	Free Au	K
PL-09	Hydrochloric acid 10% v/v (1.2M)		<1	Fe Oxides, acid soluble	
PL-10	Ammonium Sulfate 0.5M	pH4 with H ₂ SO ₄	4	Ionic REE	S
PL-10T	Ammonium Sulfate, 0.5M heated	1M NaCl, pH 1 with H ₂ SO ₄	1	Ionic REE	S
PL-11	Citric acid 2% w/v (0.1M)		2.6	Mobile and bioavailable elements	
PL-12	Acetic acid 5% v/v (0.9M)		2.5	Multi-element Carbonates	
PL-13	HCl, 0.8g/L (1M)	1N NaCl	<1	REE Carbonates	Na
PL-14	HCl, 100g/L (2.8M)	1N NaCl	<1	REE Carbonates and REE Oxides	Na