

## **Peridotite with Rare Earth and platinum group elements**

Art. ID	CANMET-WPR-1a
Unit	400 g
Deliverydetails	No Dangerous Good /not restricted

### **Description**

WPR-1a is a peridotite with rare earth and platinum group elements obtained from the Wellgreen property in the Yukon, Canada. The raw material for WPR-1a was obtained from the same source as its predecessor, WPR-1. The mineral species include: serpentine (47.4%), talc (11.0%), diopside (9.8%), amphibole (8.7%), pyrrhotite (4.9%), magnetite (4.5%), ferrohornblende (3.5%), phlogopite (2.2%), chlorite (1.6%), pentlandite (1.4%), unnamed mineral: Fe-Cr-Cl (1.2%), calcite (0.9%), ilmenite (0.8%), chalcopyrite (0.7%), other (0.4%), pyrite (0.3%), wilkeite (0.3%), quartz (0.2%), titanite (0.2%), anorthite (0.1%), and albite (0.04%).

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Silver (Ag)	[7440-22-4]	1,02		µg/g	
	Aluminium (Al)AD4 + noA D		2,621		%	
	Arsenic (As)	[7440-38-2]	9,3		µg/g	
	Barium (Ba)AD4 + noAD		70,6		µg/g	
	Bismuth (Bi)	[7440-69-9]	0,122		µg/g	
	Calcium (Ca)noAD2		2,528		%	
	Cadmium (Cd)	[7440-43-9]	0,598		µg/g	
	Cerium (Ce) noAD2		9,69		µg/g	
	Cobalt (Co) AD4 + noAD		213		µg/g	
	Caesium (Cs)	[7440-46-2]	2,38		µg/g	
	Copper (Cu)	[7440-50-8]	0,299		%	
	Dysprosium (Dy) noAD2		1,624		µg/g	
	Erbium (Er) AD4 + noAD		0,886		µg/g	
	Europium (Eu) AD4 + noA D		0,497		µg/g	
	Iron (Fe) AD4 + noAD		11,34		%	
	Gallium (Ga) noAD2		7,04		µg/g	
	Gadolinium (Gd) noAD2		1,76		µg/g	
	Hafnium (Hf) FUS		1,142		µg/g	
	Holmium (Ho) AD4 + noAD		0,322		µg/g	
	Potassium (K)	[7440-09-7]	0,156		%	
	Lanthanum (La) AD4 + no AD		4,04		µg/g	
	Lithium (Li) AD4 + noAD		25,6		µg/g	
	Lutetium (Lu) noAD2		0,121		µg/g	

Manganese (Mn) noAD2		0,138	%
Neodymium (Nd) NdnoAD2		6,26	µg/g
Nickel (Ni) AD4 + noAD		0,439	%
Phosphorus (P) noAD2		303	µg/g
Lead (Pb)	[7439-92-1]	7,92	µg/g
Palladium (Pd)	[7440-05-3]	0,614	µg/g
Praseodymium (Pr) noAD2		1,362	µg/g
Platinum (Pt)	[7440-06-4]	0,452	µg/g
Rubidium (Rb)	[7440-17-7]	7,06	µg/g
Sulfur (S)	[7704-34-9]	1,768	%
Antimony (Sb) noAD2		3,13	µg/g
Scandium (Sc) AD4 + noA		17,3	µg/g
D			
Silicon (Si) noAD2		17,62	%
Samarium (Sm) noAD2		1,617	µg/g
Strontium (Sr) AD4 + no		19,5	µg/g
AD			
Terbium (Tb) noAD2		0,269	µg/g
Titanium (Ti) AD4 + noA		0,3527	%
D			
Thulium (Tm) AD4 + noAD		0,126	µg/g
Vanadium (V) AD4 + noAD		135	µg/g
Yttrium (Y) AD4 + noAD		8,39	µg/g
Ytterbium (Yb) AD4 + no		0,79	µg/g
AD			
Zinc (Zn) noAD2		160	µg/g