Pattern: PDF 04-0802 Radiation: 1.54060 Quality: Star (*)

Formula	Pt
Name	Platinum
Name (mineral)	Platinum, syn
Name (common)	

Lattice:	Cubic
S.G.:	Fm-3m (225)

Mol. weight =	195.09
Volume [CD] =	60.38
Dx =	
Dm =	21.37
I/Icor =	-1.000

a =	3.92310	**alpha** =	
b =		**beta** =	
c =		**gamma** =	
a/b =	1.00000	Z =	4
c/b =	1.00000		

Color: Light gray metallic
Sample Preparation: Sample prepared at NBS, Gaithersburg, Maryland, USA, and estimated to be more than 99.99% pure
Temperature Of Data Collection: Pattern taken at 26 C
General Comments: Opaque mineral optical data on specimen from unspecified locality: RR#2R#e=70.3, Disp.=16, VHN#5#0=122-129, Color values=.318, .324, 70.7, Ref
: IMA Commission on Ore Microscopy QDF

Primary Reference
Publication: Natl. Bur. Stand. (U.S.), Circ. 539
Detail: volume I, page 31 (1953)
Authors: Swanson, Tatge.

Radiation:	CuKa1	**Filter:**	F
Wavelength:	1.54060	**d-spacing:**	
SS/FOM:	145.2 (0.0069,9)		

d	2θ	I	h	k	l
2.26500	39.7645	100	1	1	1
1.96160	46.2439	53	2	0	0
1.38730	67.4560	31	2	2	0
1.18260	81.2886	33	3	1	1
1.13250	85.7149	12	2	2	2
0.98080	103.5115	6	4	0	0
0.90000	117.7161	22	3	3	1
0.87730	122.8124	20	4	2	0
0.80080	148.2719	29	4	2	2