

Table 1. Tests recommended by WCA and BIBRA to PMC in PGM project pilot Phase II report dated May 2009.

Name	CAS	Category	Solubility	Proposed test	Test house	Cost (min)	Cost (max)	Comments	Amount and technical substance specifications needed	Ideal granulometry - realistic worst case (where applicable)
1 Hexachloroplatinic acid	16941-12-1	P14	10's g l ⁻¹	Flammability				Proposal to waive based on oxidation state		
				Granulometry	Parametrix or Wildlife International	£1,889.00	£1,889.00	Info may be available with sample provider / PMC to check - please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	
				Hydrolysis	Parametrix or Wildlife International	£8,148.00	£16,741.00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA
				Adsorption / Desorption	Parametrix or Wildlife International	£3,111.00	£5,259.00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA
2 Dihydrogen hexahydroxoplatinate	51850-20-5	P14	mg l ⁻¹	Flammability				Proposal to waive based on oxidation state		
				Granulometry	Parametrix or Wildlife International	£1,889.00	£1,889.00	Info may be available with sample provider / PMC to check - please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	
				Hydrolysis	Parametrix or Wildlife International	£8,148.00	£16,741.00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA
				Adsorption / Desorption	Parametrix or Wildlife International	£3,111.00	£5,259.00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA
				Acute fish test	Parametrix or Wildlife International	£1,800.00	£1,800.00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA
Activated sludge	Parametrix or Wildlife International			Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures - please also confirm cost (not provided)	To be completed by WCA	To be completed by WCA				
3 Diammine platinum (II) nitrite (and solution)	14286-02-3	P12	10s g l ⁻¹	water solubility OECD 105	Wildlife International	£2,541.00	£3,811.50	New test - replaces water solubility test for Diammine platinum (II) nitrite (and solution)	To be completed by WCA	To be completed by WCA
				water solubility OECD 105	Wildlife International	£2,541.00	£3,811.50	No longer in scope - will it be replaced		
Platinum dichloride	10025-65-7	P12		water solubility OECD 105	Wildlife International	£2,541.00	£3,811.50	New test - replaces water solubility test for Hydroxo disulfite platinum(II) acid, solution / Platinum sulfite acid solution	To be completed by WCA	To be completed by WCA
4 Tetrammine Pt dichloride	13933-32-9	P12A	10s g l ⁻¹	water solubility OECD 105	Wildlife International	£2,541.00	£3,811.50	Erin Logan finding out about other competitive GLP test houses	To be completed by WCA	To be completed by WCA
5 Tetraammineplatinum dinitrate	20634-12-2	P12A	10s g l ⁻¹	water solubility OECD 105	Wildlife International	£2,541.00	£3,811.50	Erin Logan finding out about other competitive GLP test houses	To be completed by WCA	To be completed by WCA
6 Hydroxo disulfite platinum(II) acid, solution / Platinum sulfite acid solution	61420-92-6	P12	g l ⁻¹	water solubility OECD 105	None	£0.00	£0.00	No longer in scope - will it be replaced	None	None
				Algae OECD 201	None	£0.00	£0.00	No longer in scope - will it be replaced	None	None
				Daphnia OECD 202	None	£0.00	£0.00	No longer in scope - will it be replaced	None	None
				water solubility OECD 105	Wildlife International	£2,541.00	£3,811.50	Erin Logan finding out about other competitive GLP test houses	To be completed by WCA	To be completed by WCA
7 Platinum, 1,3-diethenyl-1,1,3,3-tetramethyldisiloxane complexes / Karstedt concentrate	68478-92-2	P1X	mg l ⁻¹	Algae OECD 201	Parametrix or Wildlife International	£1,614.00	£7,100.00	Lowest cost is Parametrix + 355 £ (half of 710 £ predicted for analytics)	To be completed by WCA	To be completed by WCA
				Daphnia OECD 202	Parametrix or Wildlife International	£1,232.00	£4,036.00	Lowest cost is Parametrix + 355 £ (half of 710 £ predicted for analytics)	To be completed by WCA	To be completed by WCA
				water solubility OECD 105	Wildlife International	£2,541.00	£3,811.50	Erin Logan finding out about other competitive GLP test houses	To be completed by WCA	To be completed by WCA
8 Platinum	7440-06-4	P10	<µg l ⁻¹	TD test				Water solubility test replaced by TD test	To be completed by WCA	To be completed by WCA
9 Platinum dioxide (and hydrate)	1314-15-4	P14	<µg l ⁻¹	TD test				Water solubility test replaced by TD test	To be completed by WCA	To be completed by WCA
				Flammability				Proposal to waive based on oxidation state		
				Granulometry	Parametrix or Wildlife International	£1,889.00	£1,889.00	Info may be available with sample provider / PMC to check - please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	
				Flammability				Proposal to waive based on oxidation state		
Oxidising properties	Parametrix or Wildlife International	£3,741.00	£3,741.00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA				
10 Tetraammine palladium nitrate	13601-08-6 ELMCS	Pd2	10s g l ⁻¹	water solubility OECD 105	Wildlife International	£2,541.00	£3,811.50	Erin Logan finding out about other competitive GLP test houses	To be completed by WCA	To be completed by WCA
11 Palladium sulphate	13566-03-5	Pd2	10s g l ⁻¹	water solubility OECD 105	Wildlife International	£2,541.00	£3,811.50	Erin Logan finding out about other competitive GLP test houses	To be completed by WCA	To be completed by WCA
				Algae OECD 201	Parametrix or Wildlife International	£1,614.00	£7,100.00	Lowest cost is Parametrix + 355 £ (half of 710 £ predicted for analytics)	To be completed by WCA	To be completed by WCA
				Daphnia OECD 202	Parametrix or Wildlife International	£1,232.00	£4,036.00	Lowest cost is Parametrix + 355 £ (half of 710 £ predicted for analytics)	To be completed by WCA	To be completed by WCA
12 Tetraamminepalladium(2+) dichloride	13815-17-3	Pd2A	10s g l ⁻¹	water solubility OECD 105	Wildlife International	£2,541.00	£3,811.50	Erin Logan finding out about other competitive GLP test houses	To be completed by WCA	To be completed by WCA
13 Palladium dichloride	7647-10-1	Pd2	mg l ⁻¹	water solubility OECD 105	Wildlife International	£2,541.00	£3,811.50	Erin Logan finding out about other competitive GLP test houses	To be completed by WCA	To be completed by WCA
14 Dichlorobis(triphenylphosphine) Palladium	13965-03-2	Pd2	mg l ⁻¹	water solubility OECD 105	Wildlife International	£2,541.00	£3,811.50	Erin Logan finding out about other competitive GLP test houses	To be completed by WCA	To be completed by WCA
				Algae OECD 201	Parametrix or Wildlife International	£1,614.00	£7,100.00	Lowest cost is Parametrix + 355 £ (half of 710 £ predicted for analytics)	To be completed by WCA	To be completed by WCA
				Daphnia OECD 202	Parametrix or Wildlife International	£1,232.00	£4,036.00	Lowest cost is Parametrix + 355 £ (half of 710 £ predicted for analytics)	To be completed by WCA	To be completed by WCA
15 Tris(dibenzylideneacetone) palladium(0)	51364-51-3 plus 2 other CAS nos	Pd0	µg l ⁻¹	water solubility OECD 105	None	£0.00	£0.00	No longer in scope - will it be replaced by another candidate material?	None	None
				Algae OECD 201	None	£0.00	£0.00	No longer in scope - will it be replaced by another candidate material?	None	None
				Daphnia OECD 202	None	£0.00	£0.00	No longer in scope - will it be replaced by another candidate material?	None	None
				Relative density	None	£0.00	£0.00	No longer in scope - will it be replaced by another candidate material?	None	None
				Self ignition	None	£0.00	£0.00	No longer in scope - will it be replaced by another candidate material?	None	None
				Biodegradation in water	None	£0.00	£0.00	No longer in scope - will it be replaced by another candidate material?	None	None
16 Palladium	7440-05-3	Pd0	<µg l ⁻¹	TD test				Water solubility test replaced by TD test	To be completed by WCA	To be completed by WCA
				Flammability	Parametrix or Wildlife International	£1,889.00	£1,889.00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA
				Granulometry	Parametrix or Wildlife International	£1,889.00	£1,889.00	Info may be available with sample provider / PMC to check - please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	

				Adsorption / Desorption	Parametrix or Wildlife International	E3.111,00	E5.259,00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA
				Acute fish test	Parametrix or Wildlife International	E1.800,00	E1.800,00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA
				Activated sludge	Parametrix or Wildlife International			Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures - please also confirm cost (not provided)	To be completed by WCA	To be completed by WCA
17	Tetrakis (triphenylphosphine) palladium	14221-01-3	Pd0	µg l-1				Proposal to waive based on decomposition		
				Melting point				Proposal to waive based on decomposition		
				Boiling point				Proposal to waive based on decomposition		
				Relative density	Parametrix or Wildlife International	E1.444,00	E1.444,00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA
				Vapour pressure	Parametrix or Wildlife International	E5.592,00	E13.944,00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures. May be waived depending on result of melting point.	To be completed by WCA	To be completed by WCA
				Flammability	Parametrix or Wildlife International	E1.889,00	E1.889,00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA
				Self-ignition temperature	Parametrix or Wildlife International	E1.889,00	E1.889,00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA
				Granulometry	Parametrix or Wildlife International	E1.889,00	E1.889,00	Info may be available with sample provider / PMG to check - please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	
				Biodegradation in water	Parametrix or Wildlife International	E6.075,00	E6.981,00	Please select test house proposing the most competitive costs, the earliest delivery dates and the safest storage measures	To be completed by WCA	To be completed by WCA
18	Palladium monoxide	1314-08-5	Pd2	µg l ⁻¹				Water solubility test replaced by TD test	To be completed by WCA	To be completed by WCA
TOTAL						E67.045,00	E116.026,00			