



Elemental Analysis Service

Please send completed form and samples to:

Stephen Boyer
School of Human Sciences
Science Centre
London Metropolitan University
29 Hornsey Road
London N7 7DD

Telephone: 020 7133 3605
Fax: 020 7133 2577
Email: s.boyer@londonmet.ac.uk

Sample submitted by: JONATHAN FOWLER	
Address: SCHOOL OF CHEMISTRY, UNIVERSITY OF LEEDS, LEEDS, LS29JT	
Telephone: 0113 2121111	Email: C. FOWLER@LEEDS.AC.UK
Date Submitted: 12/5/17	

Please submit ca. 5 mg of sample.

Sample Reference No.: JF4-S60
Name of Compound: JF4-S60 BENZIMIDAZOLIUM 1
Molecular Formula: $C_{51}H_{51}I_3N_6O_6$
Stability: AIR + MOISTURE STABLE
Hazards: ASSUME TOXIC
Other Remarks:

Element	Expected %	Found (1)	Found (2)	
Carbon	50.02	48.11	48.19	
Hydrogen	4.20	4.05	4.11	
Nitrogen	6.86	7.07	7.16	

Authorising Signature:

Date Completed: 15/07/17	Signature:
Comments:	



6.4

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Sample submitted by:	JONATHAN FOWLER
Address:	School of Chemistry, University of Leeds, Leeds, LS2 9JT WOODHOUSE LANE
Telephone:	0113 275 2111 Email: j.fowler@leeds.ac.uk
Date Submitted:	22/3/18

Please submit ca. 5 mg of sample.

Sample Reference No.:	JF6-734
Name of Compound:	Methyl PF6
Molecular Formula:	C ₅₁ H ₅₁ F ₁₈ N ₆ O ₆ P ₃
Stability:	STABLE
Hazards:	NOT KNOWN
Other Remarks:	

Element	Expected %	Found (1)	Found (2)	
Carbon	47.90	47.65	47.77	
Hydrogen	4.02	3.96	3.93	
Nitrogen	6.57	6.75	6.64	

Authorising Signature:

Date Completed:	26/3/18	Signature:	
Comments:			

4.5



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Sample submitted by:	JONATHAN FOWLER
Address:	SCHOOL OF CHEMISTRY, LEEDS UNIVERSITY, LS2 9JT
Telephone:	0113 3436574 Email: chjmf@londonmet.ac.uk
Date Submitted:	17/10/17

Please submit ca. 5 mg of sample.

Sample Reference No.:	JFS-626
Name of Compound:	BENZYL LIGAND
Molecular Formula:	$C_{69}H_{63}Br_3N_6O_6$
Stability:	AIR + MOISTURE STABLE
Hazards:	NOT KNOWN - ASSUME TOXIC
Other Remarks:	

Element	Expected %	Found (1)	Found (2)	
Carbon	63.17	59.94	59.89	
Hydrogen	4.84	4.30	4.38	
Nitrogen	6.41	6.18	6.25	

Authorising Signature:

Date Completed:	20/10/17	Signature:	
Comments:			

Lx.8



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Sample submitted by: JONATHAN FOWLER	
Address: SCHOOL OF CHEMISTRY, UNIVERSITY OF LEEDS, LEEDS, LS2 9JT	
Telephone: 018 345574	Email: sa.j.fowler@leeds.ac.uk
Date Submitted: 12/5/17	

Please submit ca. 5 mg of sample.

Sample Reference No.: JF4-532
Name of Compound: BENZIMIDAZOLIUM 2
Molecular Formula: C ₁₆ H ₁₇ IN ₂ O ₂
Stability: AIR + MOISTURE STABLE
Hazards: ASSUME TOXIC
Other Remarks:

Element	Expected %	Found (1)	Found (2)	
Carbon	48.50	48.59	48.50	
Hydrogen	4.30	4.26	4.23	
Nitrogen	7.07	7.14	7.21	

Authorising Signature:

Date Completed: 12/5/17	Signature: [Signature]
Comments:	

6.2



Elemental Analysis Service

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Email: s.boyer@londonmet.ac.uk

Sample submitted by:	JONATHAN FOWLER
Address:	SCHOOL OF CHEMISTRY, LEEDS UNIVERSITY, LS2 9JT
Telephone:	0113 3750000 Email: C.Fowler@leeds.ac.uk
Date Submitted:	17/10/17

Please submit ca. 5 mg of sample.

Sample Reference No.:	JFS-628
Name of Compound:	PD BENZYL COMPLEX
Molecular Formula:	$C_{84}H_{72}Cl_3I_6Na_9O_6Pd_3$
Stability:	AIR + MOISTURE STABLE
Hazards:	NONE KNOWN - ASSUME TOXIC
Other Remarks:	

Element	Expected %	Found (1)	Found (2)	
Carbon	40.51	40.55	40.78	
Hydrogen	2.91	2.86	2.82	
Nitrogen	5.06	5.04	5.01	

Authorising Signature:

Date Completed:	201017	Signature:	
Comments:			

63



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Sample submitted by: JONATHAN FOWLER	
Address: SCHOOL OF CHEMISTRY, UNIVERSITY OF LEEDS, LEEDS, LS2 9JT	
Telephone: XXXXXXXXXX	Email: XXXXXXXXXX
Date Submitted: 12/5/17	

Please submit ca. 5 mg of sample.

Sample Reference No.: JF2-351
Name of Compound: Pd MONOMER
Molecular Formula: $C_{21}H_{20}Cl_2I_2N_3O_2Pd$
Stability: AIR + MOISTURE STABLE
Hazards: ASSUME TOXIC
Other Remarks:

Element	Expected %	Found (1)	Found (2)	
Carbon	33.99	33.90	33.87	
Hydrogen	2.72	2.68	2.64	
Nitrogen	5.66	5.74	5.62	

Authorising Signature:

Date Completed: 15/07/17	Signature: XXXXXXXXXX
Comments:	



Request Form

Name. JONATHAN FOWLER Account No. 95530099
Sample ref. JFI-786 Supervisor. Prof M.J. Hardie
Department. SCHOOL OF CHEMISTRY Signature. J. M. Fowler
Room No. 1.32 Tel. [REDACTED] Date. 7/12/15
e-mail. cmjmf@leeds.ac.uk (Please fill in fully & in BLOCK CAPITALS, failure could result in delay)

Properties & Hazards		Structure & Empirical Formula	
Non Hazardous	YES [] NO [] Unknown [X]		
Toxic	[] [] [X]		
Carcinogenic	[] [X] []		
Explosive	[] [X] []		
Air Sensitive	[] [X] []		
Hygroscopic	[] [X] []		
Light Sensitive	[] [X] []		
Volatile	[] [X] []		
Electrostatic	[] [X] []		
Strong odour	[] [X] []		
Other.		Formula. $C_{66}H_{60}Cl_3I_6N_9O_6Pd_3$	
M.pt / B.pt. >200 °C			
Solid [X], Liquid []			
Type of compound - Organometallic complex			

Is there POSSIBILITY for the presence of FLUORINE? YES [] / NO [X]

Analysis Required	Theoretical (%)	Found (%)
Carbon [X]	35.04	35.15
Hydrogen [X]	2.67	2.80
Nitrogen [X]	5.57	5.30
Sulphur []		
Halogen []		
Other #1 []		
Other #2 []		
Other #3 []		

Micro ID: 773/2015 ; Signature: 8.12.2015 [Signature] (Office use only)