



# Request Form

Name. ....TOM ROBERTS..... **BA** Account No. ....RG.CHEM.480874.....  
Sample ref. **TDR-284/285** ~~See~~ **50:50** Supervisor. ....prof. M.A. HALCROW.....  
Department. ....SCHOOL OF CHEMISTRY..... Signature. **[Signature]**  
Room No. ....1.29..... Tel. ....36419..... Date. **19.2.14**  
e-mail. ....cm07tr@leeds.ac.uk..... (Please fill in fully & in BLOCK CAPITALS, failure could result in delay)

Properties & Hazards				Structure & Empirical Formula	
	YES	NO	Unknown		
Non Hazardous	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>[FeL<sub>2</sub>]BF<sub>4</sub>ClO<sub>4</sub></b>	
Toxic	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Carcinogenic	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Explosive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Air Sensitive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Hygroscopic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Light Sensitive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Volatile	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Electrostatic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Strong odour	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Other. ....					
M/pt. / B/pt. .... °C					
Solid <input checked="" type="checkbox"/> , Liquid <input type="checkbox"/>					
Formula. <b>C<sub>26</sub>H<sub>26</sub>BClF<sub>4</sub>FeN<sub>10</sub>O<sub>4</sub></b>					
Type of compound - <b>Metal complex</b>					

Is there POSSIBILITY for the presence of FLUORINE? YES ☒ / NO ☐

Analysis Required		Theoretical (%)		Found (%)	
Carbon	<input checked="" type="checkbox"/>	43.33	<b>41.27</b>	41.40	<b>6.3. '14</b>
Hydrogen	<input checked="" type="checkbox"/>	3.64	<b>6.00</b>	3.90	
Nitrogen	<input checked="" type="checkbox"/>	19.44	<b>18.51</b>	18.60	
Sulphur	<input type="checkbox"/>				
Halogen	<input checked="" type="checkbox"/> <b>Cl</b>	4.92	<b>4.69</b>	4.60	
Other #1	<input type="checkbox"/>				
Other #2	<input type="checkbox"/>				
Other #3	<input type="checkbox"/>				

Micro ID: **156/14** ; Signature: **7.3.2014 T.M-C** (Office use only)