



Request Form

Name.TOM ROBERTS..... Account No.RG.CHEM.480874.....
 Sample ref. TDR-284/285 75:25 Supervisor.prof. M.A. HALCROW.....
 Department.SCHOOL OF CHEMISTRY..... Signature. [Signature]
 Room No.1.29..... Tel.36419..... Date. 24.3.14
 e-mail.cm07tr@leeds.ac.uk..... (Please fill in fully & in BLOCK CAPITALS, failure could result in delay)

Properties & Hazards

	YES	NO	Unknown
Non Hazardous	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Toxic	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Carcinogenic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Explosive	<input type="checkbox"/>	<input checked="" 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"/>

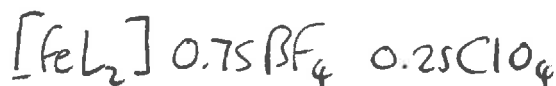
Other.

M/pt. / B/pt. °C

Solid ☒, Liquid ☐

Type of compound - Complex

Structure & Empirical Formula



Formula. $C_{26}H_{26}FeN_{10} \cdot 0.75(BF_4) \cdot 0.25(ClO_4)$

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

Analysis Required		Theoretical (%)	+2.00	Found (%)
Carbon	<input checked="" type="checkbox"/>	43.72	42.66	41.80
Hydrogen	<input checked="" type="checkbox"/>	3.67	3.85	3.95
Nitrogen	<input checked="" type="checkbox"/>	19.61	19.13	18.50
Sulphur	<input type="checkbox"/>			
Halogen	<input checked="" type="checkbox"/> <u>Cl</u>	2.48	2.42	2.30
Other #1	<input type="checkbox"/>			
Other #2	<input type="checkbox"/>			
Other #3	<input type="checkbox"/>			

Micro ID: 286/14

; Signature: 27.3.2014. T.H - C

(Office use only)