

Analytical methods applicable to Re and Re compounds in preparation of substance ID and sameness check + IUCLID 5 dossier completion

28-sept-12

Compound	CAS	form	Parameter	Method
1) Ammonium perhenate	13598-65-7	solid	Elemental Analysis	a) ICP-OES
			Identity (moleculare structure)	a) XRD
				b) IR spectroscopy/ KBr
			Particle size	a) DLS / laser diffraction
			Surface area	a) N-BET
2) Perrhenic acid	13768-11-1	solution	Elemental Analysis	a) ICP-OES
			Identity (moleculare structure)	a) Raman spectroscopy
3) Potassium perrhenate	10466-65-6	solid (powder)	Elemental Analysis	a) ICP for Re
			Identity (moleculare structure)	a) XRD
				b) IR spectroscopy/ KBr
			Particle size	a) DLS / laser diffraction
			Surface area	a) N-BET
4) Rhenium	7440-15-5	solid (pellets)	Elemental Analysis	a) ICP-OES
			Identity (moleculare structure)	a) XRD
			Particle size	a) Sieving
5) Rhenium	7440-15-5	solid (powder)	Elemental Analysis	a) ICP-OES
			Identity (moleculare structure)	a) XRD
			Particle size	a) DLS / laser diffraction
			Surface area	a) N-BET
6) Sodium rhenate	13472-33-8	solid (powder)	Elemental Analysis	a) ICP-OES
			Identity (moleculare structure)	b) UV Visible or Raman spectroscopy
			Particle size	a) DLS / laser diffraction
			Surface area	a) N-BET