


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	<h3>The Central Scientific Research Laboratory</h3>	
	<p>Issue No: 017    Issue date: 07 September 2010</p>	
	<p>JSC Kara-Balta Mining Combinate Central Scientific Research Laboratory Kozhombardiev Street South Industrial Zone 724411, Karabalta Kyrgyz Republic</p>	<p>Contact: Mr N Kruk Tel: +996 3133 72533 +996 3133 62106 Fax: +996 3133 61346 E-Mail: board_of_directors@karabalta-uranium.com Website:</p>
<p>Testing performed at the above address only</p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS and ALLOYS	<u>Chemical Tests</u>	Intergovernmental CIS Standards (GOST) and Documented In-House Methods using atomic absorption spectroscopy, fire assay, wet chemistry analysis and inductively coupled plasma with atomic emission spectroscopy
- Gold Alloy	Gold Silver	Fire assay ZP - 9
- Gold Alloy	Trace elements: Antimony Beryllium Bismuth Cadmium Copper Iron Lead Mercury Nickel Selenium Tellurium Zinc	ICP-AES ZISP - 3



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS and ALLOYS (cont'd)	<u>Chemical Tests</u> (cont'd)	
- Refined Gold	Trace elements: Antimony Bismuth Chromium Copper Iron Lead Magnesium Manganese Nickel Palladium Platinum Rhodium Silicon Silver Tin Zinc	ICP-AES GOST 27973-2-88 ZISP - 2
- Refined Silver	Antimony Arsenic Bismuth Cobalt Copper Gold Iron Lead Manganese Nickel Platinum Palladium Rhodium Tellurium Zinc	ICP-OES with Spark Ablation ZISP - 7 GOST 28353.2-89
ORES and MINERALS	<u>Chemical Tests</u>	
- Gold and Silver Ores	Gold Silver	AAS ZAA - 1 ZAA - 11
	Gold Silver	Fire assay ZP - 5
	Gold	Fire assay, ICP-OES ZISP - 14



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<p>ORES and MINERALS (cont'd)</p> <p>Solid ores, soils and aqueous solutions</p>	<p><u>Chemical Tests</u> (cont'd)</p> <p>Aluminium Antimony Arsenic Barium Beryllium Bismuth Cadmium Calcium Chromium Cobalt Copper Iron Lanthanum Lead Magnesium Manganese Molybdenum Nickel Phosphorus Potassium Scandium Sodium Selenium Strontium Silver Tin Tellurium Thorium Titanium Tungsten Uranium Vanadium Yttrium Zinc Zirconium</p> <p><b>Rare Earths:</b> Cerium Dysprosium Erbium Europium Gadolinium Holmium Lutetium Neodymium Praseodymium</p>	<p>ICP-OES ZISP - 6</p>



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ORES and MINERALS (cont'd)  Solid ores, soils and aqueous solutions (cont'd)	<u>Chemical Tests</u> (cont'd)  <b>Rare Earths:</b> (cont'd)  Samarium Terbium Thulium Ytterbium Niobium Tantalum Rhenium	
UNDERGROUND LEACHATES	<u>Chemical Tests</u>  Uranium	Documented In-House methods  RU-1 by titration
	END	