

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>1017</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Johnson Matthey PLC</h3> <p>Issue No: 016 Issue date: 04 October 2019</p>	
	<p>Analytical Laboratory Refining Chemical Europe 33 Jeffreys Road Enfield EN3 7PW</p>	<p>No Commercial Enquiries</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
BULLION, CATALYSTS, SWEEPS and RESIDUES	Sample preparation for chemical tests	Documented In-House Methods (Test numbers in bracket) Alloying with zinc (20) Bromate hydrolysis (22) Footing with zinc (21) Fusion (23) Lead collection (64)
BULLION	<p><u>Chemical Tests</u></p> <p>Determination of:</p> <p>Gold</p> <p>Palladium</p> <p>Platinum</p> <p>Rhodium</p> <p>Silver</p>	<p>Documented In-House methods (test numbers in brackets) using :</p> <p>Inductively-coupled plasma optical emission spectrometry - ICP-OES and gravimetric techniques (No.s - 6, 9, 56, 60)</p> <p>ICP-OES analysis (53, 58)</p> <p>gravimetric analysis (9) / ICP-OES analysis (58, 60)</p> <p>gravimetric analysis (9) / ICP-OES analysis (58, 60)</p> <p>ICP-OES analysis (58)</p> <p>potentiometric titration (41)</p> <p>ICP-OES analysis (58)</p>



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CATALYSTS	<u>Chemical Tests</u>	Documented In-House Methods (test numbers in bracket)
- Automotive	Determination of: Palladium Platinum Rhodium	Wet Chemical collection and ICP-OES analysis (123)
- Carbon based	Palladium Platinum	ICP-OES and gravimetric analysis (77)
	Rhodium	ICP-OES analysis (77)
- Silica based	Palladium	ICP-OES analysis (64)
SWEEPS and RESIDUES	<u>Chemical Tests</u>	Documented In-House Methods (test numbers in bracket)
	Determination of: Gold, Platinum, Palladium, Rhodium, Iridium	ICP-OES analysis (1)
	Ruthenium	ICP-OES analysis (1, 118)
	Silver	potentiometric titration (45) gravimetric analysis (64) ICP-OES analysis (118)
END		