

Accredited Laboratory

A2LA has accredited

REAGECON DIAGNOSTICS LTD.

Shannon Free Zone, Shannon, REPUBLIC OF IRELAND

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories. This laboratory also meets the requirements of any additional program requirements in the Chemical field. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system

(refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 18th day of January 2023.

Mr. Trace McInturff, Vice President, Accreditation Services For the Accreditation Council

Certificate Number 6739.03

Valid to May 30, 2024



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

REAGECON DIAGNOSTICS LTD.

Shannon Free Zone Shannon, Co. Clare, Ireland Darren McGrath 00353 867806778

CHEMICAL

Valid To: May 30, 2024 Certificate Number: 6739.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on the analytes listed below:

Tests/Technologies	Range of Measurement	Test Method(s)
Acid Solutions		TPATA
Dibasic Acids	0.0249 to 10.01M	
	(0.0498N to 20.02N)	
Monobasic Acids	0.0099M to 0.0240M	
Wioliobasic Acids	(0.0099N to 0.0240N)	
	0.0249M to 10.01M	
	(0.0249N to 10.01N)	
Base Solutions	0.0199M to 0.0491M	TPATB
base solutions	(0.0199N to 0.0491N)	IFAID
	0.0499M to 10.01M	
Chloride Solutions	(0.0499N to 10.01N) 0.0099M to 0.0905M	TPATPPT1
Chloride Solutions	(0.0099N to 0.0905N)	IPAIPPII
	0.0998M to 4.008M	
Conductivity	(0.0998N to 4.008N)	TPCOND
Conductivity	1.25 μS/cm to 1.35 μS/cm @ 25°C	IPCOND
Day of the	4.95 μS/cm to 505,000 μS/cm @ 25°C	TPPYC based on
Density	0.63g/ml to 1.63 g/ml	ASTM D1480-2015
D ' CI ' 1M / ' 1	0.65 / 1, 1.024 / 1	
Density of Liquid Materials	0.65 g/ml to 1.034 g/ml	TPDMA5000M based on ASTM D4052-2018
EDTA	0.00998M to 0.1002M	TPEDTA
	(0.01996N to 2.004N)	
Internal Standards by ICP-MS	48 μg/Kg to 1.43 mg/Kg	TPICPIS based on US EPA
Bismuth		Method 6020A
Germanium		
Indium		
Lithium (Li 6)		
Lutetium		
Rhodium		

(A2LA Cert. No. 6739.03) Revised 2/21/2024

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Tests/Technologies	Range of Measurement	Test Method(s)
Internal Standards by ICP-MS (cont)	48 μg/Kg to 1.43 mg/Kg	TPICPIS based on US EPA
Scandium		Method 6020A
Terbium		
Yttrium		
Lithium (Li 7)	50 μg/Kg to 1.49 mg/Kg	
Iodine	0.0499M to 0.5005M	TPATRX2
	(0.0998N to 1.001N)	
Mercury	47 μg/Kg to 1.41 mg/Kg	TPICPHG based on US EPA
		Method 6020A
Metals by ICP-MS	49 μg/Kg to 1.48 mg/Kg	TPICP based on US EPA
Aluminum		Method 6020A
Antimony		
Arsenic		
Barium		
Beryllium		
Boron		
Cadmium		
Ceasium		
Calcium		
Cerium		
Chromium		
Cobalt		
Copper		
Dysprosium		
Eribium		
Europium		
Gadolinium		
Gallium		
Hofnium		
Holmium		
Iron		
Lanthanum		
Lead		
Magnesium		
Manganese		
Molybdenum		
Neodymium		
Nickel		
Niobium		
Phosphorus		
Potassium		
Praseodymium		
Rubidium		
Samarium		
Selenium		
Silver		
Sodium		
Strontium		



Tests/Technologies	Range of Measurement	Test Method(s)
Metals by ICP-MS (cont.)	49 μg/Kg to 1.48 mg/Kg	TPICP based on US EPA Method
Tantalum		6020A
Tellurium		
Thallium		
Thorium		
Thulium		
Tin Titanium		
Tungsten		
Uranium		
Vanadium		
Ytterbium		
Zinc		
Zirconium		
Silicon	86 μg/Kg to 1.48 mg/Kg	
Osmolality	50 to 3000 mOsm/kgH2O	TPOSM based on USP-785 and
	20 to 2000 mosnii kgrizo	EP-7.0
Perchloric Acid	0.0998M to 0.1002M	TPAHCLO
	(0.0998N to 0.1002N)	
рН	pH 0.98 to 13.05	ТРРНВ
	pH 3.98 to 10.02	ТРРНС
	pH 0.98 to 13.05	TPPHG
Precious Metals and Sulphur by ICP-	47 μg/Kg to 1.41 mg/Kg	TPICPPR based on US EPA
MS		Method 6020A
Gold		
Iridium Osmium		
Palladium		
Platinum		
Rhenium		
Ruthenium		
Sulphur	1.50 mg/Kg to 3.50 mg/Kg	
Refractive Index	1.33310 to 1.65812nD Brix	TPRIA 01
	Value range 5% to 60% wt/wt	111111111111111111111111111111111111111
Silver Nitrate	0.0499M to 1.002M	TPAGNO
	(0.0499N to 1.002N)	
Sodium Thiosulphate	0.0099M to 1.001M	TPATRX1
•	(0.0099N to 1.001N)	
Total Acid Number	0.09 mg/g KOH to 4.70 mg/g KOH	TP-TAN in accordance with
T 12 17		ASTM D664-17a Test Method A
Total Base Number	0.9 mg/g KOH to 75 mg/g KOH	TPTBN in accordance with
		ASTM D2896:2015 Test Method
Total Inorganic Carbon	175 ug/l to 52.5 mg/l	A TPTIC
Total morganic Carbon	475 μg/l to 52.5 mg/l	ITIIC



Tests/Technologies	Range of Measurement	Test Method(s)
Total Organic Carbon	475 μg/l to 52.5 mg/l	TPTOC
Viscosity Dynamic	0.55 mPa.s to 99,000 mPa.s +20°C to +60°C	ASTM D2162-2017
Kinematic	0.85 mm ² /s to 110,000 mm ² /s +20°C to +60°C	

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