

Schedule of Accreditation



Organisation Name Reagecon Diagnostics Ltd.
Trading As
INAB Reg No 264T
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Website <http://www.reagecon.com>
Accreditation Standard ISO 17025 T
Date Initially Awarded 12/07/2010
Scope Classification Chemical testing

Services available to the public¹

¹ Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered	
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)	
Name	Address
1 Head Office	Shannon Free Zone, Shannon, Clare, V14 X073

Scope of Accreditation

Head Office

Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
797 Miscellaneous materials and products - .01 Chemical tests	Sodium Thiosulphate by redox reaction Iodine by redox reaction Acetous Perchloric Acid Silver Nitrate by argentometric titration EDTA by compleximetric titration		0.0099M to 1.001M 0.0499M to 0.5005M 0.0998M to 0.1002M 0.0499M to 1.002M 0.00998M to 1.002M		Titration	Documented In-House Methods using titrimetry, based on ASTM E200-08 TPATRX1 TPATRX2 TPAHCLO TPAGNO TPEDTA
	Acid Solutions Monobasic Acids Dibasic Acids		Monobasic Acids 0.0249M - 10.01M 0.0099M – 0.0240M Dibasic Acids 0.0249M – 10.01M		Titration	TPATA Acid Base Titration
	Base Solutions Hydroxide Ion		Hydroxide Ion 0.0199M – 0.0491M 0.0499M – 10.01M		Titration	TPATB Acid Base Titration
	Chemical tests		Analysis of elements for the following elements:- Lithium (Li 6) range 48µg/Kg to 1.43mg/Kg Lithium (Li 7) range 50µg/Kg to 1.49mg/Kg Scandium - range 48µg/Kg to 1.43mg/Kg Germanium - range 48µg/Kg to 1.43mg/Kg Yttrium - range 50µg/Kg to 1.49mg/Kg Rhodium - range		ICP-MS	Documented In-House method TPCPIS by ICP-MS, based on US EPA Method 6020A

		48µg/Kg to 1.43mg/Kg Indium - range 48µg/Kg to 1.43mg/Kg Terbium - range 48µg/Kg to 1.43mg/Kg Lutetium - range 48µg/Kg to 1.43mg/Kg Bismuth - range 48µg/Kg to 1.43mg/Kg			
		Analysis of elements in the range 49µg/Kg to 1.48mg/Kg for the following:- Beryllium Boron Sodium Magnesium Aluminium Phosphorus Potassium Calcium Vanadium Chromium Manganese Iron Cobalt Nickel Copper Zinc Gallium Arsenic Selenium Rubidium Strontium Silver Cadmium Caesium		ICP-MS	Documented In-House method TPICP by ICP-MS, based on US EPA Method 6020A
		Analysis of elements in the range 49µg/Kg to 1.48mg/Kg for the following:- Hofnium Molybdenum Niobium Antimony Tin Tantalum Tellurium Titanium Tungsten Zirconium Silicon range 86µg/Kg to 1.48mg/Kg		ICP-MS	Documented In-House method TPICP by ICP-MS, based on US EPA Method 6020A
		Analysis of		ICP-MS	Documented In-

			elements in the range 49µg/Kg to 1.48mg/Kg for the following:- Barium Lanthanum Cerium Praseodymium Neodymium Samarium Europium Gadolinium Dysprosium Holmium Erbium Thulium Ytterbium Thallium Lead Thorium Uranium			House method TPICP by ICP-MS, based on US EPA Method 6020A
			Analysis of elements metals for the following:- Sulphur:- range 1.50mg/Kg to 3.50mg/Kg Metals over the range 47µg/Kg to 1.41mg/Kg Ruthenium Palladium Rhenium Osmium Iridium Platinum Gold		ICP-MS	Documented In-House method TPCIPPR by ICP-MS, based on US EPA Method 6020A
			Analysis of Mercury over the range 47µg/Kg to 1.41mg/Kg		ICP-MS	Documented In-House method TPICPHG by ICP-MS, based on US EPA Method 6020A
			Determination of Total Base Number (TBN) 0.9 – 75 mg/g KOH		Titration	Documented In-House Method based on ASTM D4379-11 - (2017) TPTBNUO / Automatic Titration
			Determination of (TIC) Total Inorganic Carbon Range 500 µg/l to 50.0 mg/l C		TIC	Documented In-House Method TPTIC
			Determination of (TOC) Total Organic		TOC	Documented In-House Method TPTOC

		Carbon Range 500 µg/l to 50.0mg/l C			
		Determination of the following metals in the concentration range 100-1000 mg/L for the following elements: Bismuth Calcium Cadmium Cobalt Copper Indium Iron Manganese Nickel Scandium Tin Vanadium Lead		Titration	Documented in- house test method TPCOMPLEX by Compleximetric (EDTA) titration based on the primary methods described in Applied Complexometry- Pribil, Rudolf - Pergamon Press - 1982
		Determination of Total Acid Number from 0.09 mg/g KOH to 4.70 mg/g KOH		Titration	Documented in- house test method TP-TAN in accordance with ASTM D664-17a Test Method A
		Determination of Total Base Number from 0.9 mg/g KOH to 75 mg/g KOH		titration	Documented in- house test method TP-TBN in accordance with ASTM D2896 - 2015 Test Method A
	Chloride Solutions	Chloride Solutions 0.0099M to 0.0905M Chloride Solutions 0.0998M to 4.008M		Titration	Documented In- House volumetric methods based on methods from Vogel: Quantitative Inorganic Analysis, 4th Edition:- TPATPPT1
	General Reagents	Conductivity 4.95 to 505,000 µS/cm @ 25 deg C Conductivity at 1.25 to 1.35 µS/cm @ 25 deg C		Conductivity	TPCOND
	Standard Buffer Solutions Solid Buffers Aqueous General Reagents	pH 0.98 to 13.05 pH 3.98 to 10.02 pH 0.98 to 13.05		pH Measurement	TPPHB TPPHC TPPHG
797 Miscellaneous materials and products -	physical test	Determination of Density		pycnometry	ASTM D1480- 2015

.02 Physical tests			0.63 – 1.63 g/ml in the working temperature 15°C to 50°C			TPPYC / Bingham Pycnometer
			Viscosity Measurement - Kinematic Viscosity and Dynamic Viscosity Temperature Range +20°C to +60°C - Kinematic Viscosity Range 0.85 to 110000 cSt Temperature Range +20°C to +60°C - Dynamic Viscosity Range 0.55 to 99000 mPa.s		viscosity	ASTM D2162-2017 Master Ubbelohde Capillary Viscometers / Viscometry
			Density of liquid materials range 0.65 to 1.034 g/ml		Vibrational density	Documented In-House method TPDMA5000M by vibrational methods, based on ASTM D4052 - 2018
			Osmolality range 50 to 3000 mOsm/kg H2O		Osmolality	Documented In-House method TPOSM 1500 and TPOSM - 3000, based on USP - 785 and EP - 7.0
	physico-chemical test		Refractive Index range 1.33310 to 1.65812nD Brix Value range 5% to 60% wt/wt		refractive index	Documented In-House method TPRIA 01, based on OIML R142