

Schedule of Accreditation



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Accreditation Standard	ISO 17025 T
Date Initially Awarded	16/12/2002
Scope Classification	Construction materials testing
Services available to the public ¹	Yes

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	19 Kernanstown Industrial Estate, Carlow

Scope of Accreditation

Head Office

Construction Materials Testing

Category: A

Construction material/product - Tests	Matrix/methodology (where applicable if not insert n/a)	Equipment/technique	Range of measurement (where applicable)	Standard reference/SOP		
212 Concrete - 212.10 Curing Specimens for Strength Tests	n/a	Curing of Test Specimens in Laboratory		BS 1881:Part 111:1983		
				IS EN12390-2:2009		
212 Concrete - 212.11 Compressive Strength Tests (Cubes and Cylinders)		Compressive strength of Moulded Specimens	Loads from 50 - 2000kN	BS 1881:Part 116:1983		
			Loads from 50 - 2000kN	EN12390-3 : 2009		
			(Loads from 50-2000kN)	IS EN12504-1: 2009		
212 Concrete - 212.13 Density		Mass per Unit Volume of Hardened Concrete, Determination of Density		BS 1881:Part 114:1983		
				IS EN 12390-7 : 2009		
216 Aggregates - .03 Sample reduction		Methods for reducing laboratory samples		EN932-2:1999		
216 Aggregates - .04 Particle size distribution		Dry Sieving		IS EN 933 -1:2012		
		Washing & Sieving		IS EN 933-1: 2012		
216 Aggregates - .05 Flakiness index		Flakiness Index		IS EN 933-3 : 2012		
216 Aggregates - .06 Shape index		Particle Length (Railway Ballast)		Documented In House Procedure: CD004/IHT001.06.1 (based on EN13450)		
		Shape Index		IS EN 933-4: 2008		
216 Aggregates - .07 Percent crushed and broken surfaces		Determination of the percentage of Crushed & Broken surfaces		IS EN 933-5: 1998 : Amd. 1: 2004		
216 Aggregates - .08 Shell content		Shell Content	Coarse Aggregate	IS EN 933-7 : 1998		
216 Aggregates - .09 Assessment of fines		Methylene Blue Test	0-2mm fraction in fine aggregate	IS EN 933-9 + A1: 2013		

		All-in aggregates	IS EN 933-9 + A1: 2013		
216 Aggregates - .11 Microdeval co-efficient		Determination of Resistance to Wear	IS EN 1097-1 : 2011		
216 Aggregates - .12 Railway ballast: Micro deval co-efficient		Determination of Resistance to Wear - Railway Ballast	IS EN 1097-1 : 2011 including Railway Ballast - EN13450 Annex E		
216 Aggregates - .13 Resistance to fragmentation		Determination of Resistance to Fragmentation (Los Angeles Abrasion Value)	IS EN 1097-2 : 2010		
216 Aggregates - .14 Railway ballast: Resistance to fragmentation		Determination of Resistance to Fragmentation (Los Angeles Abrasion Value) Railway Ballast	IS EN 1097-2 : 2010 - Including Railway Ballast - IS EN 13450 Annex C		
216 Aggregates - .17 Water content		Determination of Water Content	IS EN1097-5: 2009		
216 Aggregates - .18 Particle density and water absorption		Determination of Particle Density on a (i) saturated and surface-dried basis; (ii) oven dried basis; (iii) Apparent particle density; (iv) Water absorption	IS EN 1097-6:2013		
216 Aggregates - .20 Polished stone value		Determination of Polished Stone Value	IS EN 1097-8 : 2009		
216 Aggregates - .23 Magnesium sulphate		Magnesium Sulfate Test	IS EN 1367 -2:2009		
216 Aggregates - .99 Other tests		Laboratory reference density and water content using vibrating hammer (Optimum Water Content)	IS EN13286-4: 2003		
217 Bituminous materials - .02 Preparation of samples		Preparatory treatment for analysis	IS EN 12697-28: 2000		
217 Bituminous materials - .03 Determination of dimension		Determination of Dimensions of a bituminous specimen	IS EN12697-29: 2002		
217 Bituminous materials - .09 Hot Sand test for adhesivity		Hot Sand Test	IS EN 12697-37: 2003		
217 Bituminous materials - .15 Binder content		Determination of Binder Content By Ignition Method	IS EN 12697 -39: 2012		
217 Bituminous materials - .16 Binder content - difference		Determination of Binder Content by Pressure Filter method	IS EN 12697 -1: 2012		
217 Bituminous materials - .17 Binder content - Recovery		Determination of Binder content by Rolling Bottle Method - Volume Calculation	IS EN 12697-1: 2012		
217 Bituminous materials - .18 Particle Size distribution		Determination of Particle Size Distribution	IS EN 12697-2: 2015		
			IS EN 12697-2:2002+A1:2007		

217 Bituminous materials - .19 Maximum density	Determination of Maximum Density		IS EN 12697-5: 2009		
217 Bituminous materials - .20 Affinity between aggregate and bitumen	Determination of the Affinity between Aggregate and Bitumen		IS EN12697-11: 2012 Part B		
217 Bituminous materials - .28 Bulk density	Determination of Bulk density of Bituminous Specimens		IS EN 12697-6: 2012		
217 Bituminous materials - .31 Voids content	Determination of Voids Characteristics of Bituminous Specimens		IS EN 12697-8: 2003		
217 Bituminous materials - .33 Percentage refusal density (PRD)	Percentage Refusal Density (PRD), Vibratory Compaction		EN 12697-32: 2003		
			EN 12697-9 : 2002		
217 Bituminous materials - .40 Softening point	Softening Point	25-200°C	EN 1427: 2015		
217 Bituminous materials - .49 Distillation	Determination of Residual Binder & Oil Distillate from Bitumen Emulsions by Distillation	Oil distillate % by volume (0-5%)	IS EN 1431: 2009		
		Residue % by mass (40-80%)	IS EN 1431: 2009		
217 Bituminous materials - .50 Needle penetration	Determination of Needle Penetration	0-350x0.1mm @25°C	EN 1426: 2015		
217 Bituminous materials - .51 Sieve test	Determination of residue on Sieving of bituminous emulsions	Residue on 0.500mm sieve	IS EN 1429: 2013		
217 Bituminous materials - .56 Water content	Water Content		IS EN 1428: 2012		
217 Bituminous materials - .57 Breaking value	Determination of Breaking Value of cationic bituminous emulsions		IS EN 13075-1: 2016		
217 Bituminous materials - .58 Efflux time	Determination of Efflux Time using Redwood No.2 Viscometer		IS EN16345: 2012		
219 Soils for civil engineering purposes - .02 Moisture content	Determination of the Moisture Content		BS 1377 Part 2: 1990 Clause 3.2		
219 Soils for civil engineering purposes - .04 Liquid limit	Determination of the Liquid Limit - Definitive method		BS1377 Part 2: 1990 Clause 4.3		
			BS 1377 Part 2: 1990 Clause 4.4		
219 Soils for civil engineering purposes - .05 Plastic limit	Determination of the Liquid Limit - One point method		BS 1377 Part 2: 1990 Clause 4.4		
219 Soils for civil engineering purposes - .06 Plasticity index	Determination of the Plastic Limit		BS 1377 Part 2: 1990 Clause 5		
219 Soils for civil engineering purposes - .10 Particle density	Determination of the Plasticity Index		BS 1377 Part 2: 1990 Clause 5.4		
219 Soils for civil engineering purposes - .10 Particle density	Determination of Particle Density - Gas Jar Method		BS 1377 Part 2: 1990 Clause 8.2		
			BS 1377 Part 2: 1990 Clause 9.2		
219 Soils for civil engineering purposes -	Determination of the Particle Size		BS 1377 Part 2: 1990 Clause 9.2		

.11 Particle size distribution	Distribution - Wet sieving method				
219 Soils for civil engineering purposes - .12 Uniformity coefficient	Uniformity Coefficient		BS 6100: 1992 Clause 2.2.1		
219 Soils for civil engineering purposes - .13 Dry density/moisture content relationship	Optimum Moisture Content 4.5 kg rammer		BS 1377 Part 4: 1990 Section 3		
	Optimum Moisture Content 2.5kg rammer		BS 1377 Part 4: 1990 Section 3		
	Optimum Moisture Content Vibrating hammer		BS 1377 Part 4: 1990 Section 3		
219 Soils for civil engineering purposes - .15 Moisture condition value (MCV)	Determination of the Moisture Condition Value (MCV)		BS 1377 Part 4: 1990 Clause 5		
219 Soils for civil engineering purposes - .17 California bearing ratio	Determination of the CBR - 2.5kg Rammer		BS1377 Part 4: 1990 Section 7		
	Determination of the CBR - 4.5kg Rammer		BS1377 Part 4: 1990 Section 7		
	Determination of the CBR - Static compaction	Loads 0.4 - 50kN	BS1377 Part 4: 1990 Section 7		
	Determination of the CBR - Vibrating Hammer		BS1377 Part 4: 1990 Section 7		
220 Highways/roads and other paved surfaces including airfields - .10 Slid/skid resistance - pendulum test	Method for Measurement of Slip/skid resistance of surface		IS EN 13036-4: 2011		
223 Pedestrian Surfaces - .02 Slip Resistance- Pendulum Test-Wet & Dry surfaces	Dry Pedestrian surface	Dry	BS 7976-2: 2002 (+A1: 2013)		
	Wet Pedestrian surface	Wet	BS 7976-2: 2002 (+A1: 2013)		
229 Construction Products - .01 Dimensions	Determination of Dimensions of Masonry unit		EN 772-16:2011		
229 Construction Products - .02 Compressive Strength	Determination of Compressive strength of Masonry Unit		EN 772-1: 2011		
			IS 20 Part 1: 1987 Appendix D		
229 Construction Products - .10 Dry Bulk Density	Determination of net and gross Dry Density of Masonry Unit		EN 772-13: 2000		
229 Construction Products - .21 Slip Resistance - pendulum tester	Natural Stone Test Methods - Determination of the Slip Resistance		IS EN 14231: 2003		

Construction Materials Testing

Category: B

Construction material/product - Tests	Matrix/methodology (where applicable if not insert n/a)	Equipment/technique	Range of measurement (where applicable)	Standard reference/SOP			
212 Concrete - 212.01 Sampling	n/a	Sampling - Spot sample and Composite sample		IS EN 12350-1: 2009			
212 Concrete - 212.04 Workability		Testing Fresh Concrete - Slump Test		IS EN 12350-2: 2009			
212 Concrete - 212.09 Making Specimens for Strength Tests		Making specimens for strength tests		IS EN 12390-2:2009			
212 Concrete - 212.10 Curing Specimens for Strength Tests		Curing specimens for strength tests		IS EN 12390-2:2009			
214 Soils (Site Tests) - .03 Moisture Condition Value		Determination of the Moisture Condition Value (MCV)		BS 1377: Part 4: 1990 Clause 5			
214 Soils (Site Tests) - .04 In-situ Density Tests		Determination of In-situ density by Core Cutter Method		BS 1377-9: 1990 Clause 2.4			
		Determination of In-situ density by Sand Replacement method		BS 1377: Part 9: 1990 Clause 2.2			
		Determination of In-situ density using Nuclear Density Gauge (NDG)		BS 1377: Part 9:1990 Section 2.5			
214 Soils (Site Tests) - .06 In-situ Vertical Deformation and Strength Tests (PLT)		Plate bearing test including conversion to California Bearing Ratio (CBR) up to 1.25mm deflection		Documented In House Procedure: CD004/IHT001.01.2 based on BS1377: Part 9-1990 (CBR calculation using NRA DMRB Vol 7, Section 2, Part 2A HD 25-26/10)			
214 Soils (Site Tests) - .07 Equivalent CBR Value determined from PLT & DCP Data				Documented In House Procedure: CD004/IHT001.01.2 based on BS1377: Part 9-1990 (CBR calculation using NRA DMRB Vol 7, Section 2, Part 2A HD 25-26/10)			
216 Aggregates - .01 sampling			Sampling of Aggregates		EN 932 -1: 1997		
217 Bituminous materials - .01 Sampling			Sampling of Bituminous Mixtures		IS EN 12697-27: 2017		
217 Bituminous materials - .37 In situ density			Determination of In-situ density using Nuclear Density Gauge (NDG)		Documented In House Procedure: CD004/IHT003.01.3 (based on BS594987:2015)		
219 Soils for civil			Sampling of soils		Documented In		

engineering purposes - .01 Sampling			House Procedure: CD004/IHT001.02.1		
220 Highways/roads and other paved surfaces including airfields - .06 Pavement surface macrotexture depth		Measurement of Pavement Surface Macrotexture by Volumetric Patch method	Using Glass beads	IS EN 13036-1: 2010	
220 Highways/roads and other paved surfaces including airfields - .07 Surface regularity		Surface Regularity by Rolling Straight Edge		Documented In House Procedure: CD004/IHT003.03.1 based on TRL SR 290	
220 Highways/roads and other paved surfaces including airfields - .10 Slid/skid resistance - pendulum test		Method for Measurement of Slip/skid resistance of surface		IS EN 13036-4: 2011	
223 Pedestrian Surfaces - .02 Slip Resistance- Pendulum Test-Wet & Dry surfaces		Pendulum Test - Dry Pedestrian surface	Dry	BS 7976-2: 2002 (+A1: 2013)	
		Pendulum Test - Wet Pedestrian surface	Wet	BS 7976-2: 2002 (+A1: 2013)	
229 Construction Products - .21 Slip Resistance - pendulum tester		Natural Stone Test Methods - Determination of the Slip Resistance		IS EN 14231: 2003	