

GNR ANALYTICAL INSTRUMENTS



SUPPLY · SERVICE · SOFTWARE

GNR ANALYTICAL INSTRUMENTS LTD. NOTTINGHAM, ENGLAND. website: www.gnranalytical.com email: sales@gnranalytical.com tel: 0115 937 6686 mobile 07774 226009

	MINILAB 300 Al Orientation	MINILAB 300 Al 99 Low Alloy	MINILAB 300 Al-Si	MINILAB 300 Al-Si-Cu	MINILAB 300 Al-Cu	MINILAB 300 Al-Mg	MINILAB 300 Al-Zn	MINILAB 300 Al-Mn
Al#2	REF	REF	REF	REF	REF	REF	REF	REF
Ag	0.005-0.3							
B	0.0005-0.05	0.0005-0.05						
Be	0.0005-0.05		0.0005-0.05					
Bi	0.002-0.6	0.002-0.6	0.002-0.6		0.002-0.6			
Ca	0.0005-0.05		0.001-0.002					
Cd	0.002-0.2	0.002-0.05	0.002-0.1	0.002-0.1	0.002-0.2	0.002-0.1		
Co	0.0005-0.5	0.0005-0.05	0.0005-0.5		0.005-0.4			
Cr	0.002-0.6	0.002-0.1	0.002-0.2	0.002-0.5	0.002-0.12	0.002-0.3	0.002-0.6	0.002-0.1
Cu	0.002-15.0	0.002-0.2	0.002-0.3	0.01-5.0	1.0-12.0	0.002-0.2	0.002-0.5	0.002-0.2
Fe	0.002-2.5	0.002-1.0	0.05-1.0	0.05-1.3	0.04-1.2	0.01-0.8	0.002-1.0	0.002-1.0
Ga	0.002-0.15	0.005-0.05	0.002-0.15		0.002-0.15			
In	0.003-0.15	0.003-0.15						
Li *	0.0001-0.1	0.0005-0.1				0.0005-0.005		
Mg	0.001-15.0	0.001-1.0	0.02-2.0	0.02-1.8	0.01-2.5	1.0-10.6	0.01-3.0	0.001-1.0
Mn	0.002-1.5	0.002-0.9	0.01-0.8	0.02-0.8	0.02-1.0	0.01-1.3	0.002-0.6	0.005-2.7
Na *	0.0005-0.1	0.0005-0.1	0.0005-0.1			0.0005-0.003		
Ni	0.002-3.0	0.002-0.08	0.005-1.0	0.01-2.0	0.01-2.5	0.005-0.1	0.005-0.2	0.005-0.1
Pb	0.005-1.5	0.005-0.1	0.005-0.1	0.005-0.25	0.005-1.0		0.005-0.2	0.005-0.1
Si	0.002-25.0	0.002-0.8	1.0-20.0	1.0-15.0	0.03-3.0	0.01-1.0	0.03-0.6	0.002-0.8
Sn	0.002-0.5	0.005-0.1	0.005-0.1	0.005-0.25	0.005-0.5	0.005-0.08	0.005-0.2	0.005-0.1
Sr	0.0005-0.15		0.0005-0.2					
Ti	0.001-0.55	0.001-0.1	0.01-0.3	0.01-0.55	0.004-0.2	0.005-0.2	0.001-0.2	0.001-0.1
V	0.002-0.2	0.002-0.1	0.002-0.05					0.002-0.1
Zn	0.005-15.0	0.005-0.5	0.005-0.5	0.01-3.0	0.005-3.0	0.005-0.3	0.9-8.0	0.005-0.5
Zr	0.005-0.25				0.005-0.2	0.01-0.15	0.01-0.2	

LIMITS OF DETECTION and RANGES FOR THE GNR MINILAB 300 in ALUMINIUM MATERIALS