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Agilent 1200 Series Dual Loop Autosampler

Performance Specifications: Preparative Scale

Type	Specification
GLP features	Early maintenance feedback (EMF), electronic records of maintenance and errors
Communications	Controller-area network (CAN). RS232C, APG-remote standard, optional: four external contact closures and BCD vial number output
	optional: LAN communication card
Instrument control	Agilent ChemStation software
	Agilent HT Purification SW
	Agilent G1323B Control Module
	Agilent G4208A Instant Pilot
Safety features	Leak detection and safe leak handling, low voltages in maintenance areas, error detection and display
Injection modes	Partial loop filling
	Complete loop filling
Injection range	0.1 – 5000 µl in 0.1 µl increments
	Recommended injection range 10 - 5000 µl
Area precision, Complete Loop Fill	Typically < 0.5% RSD,(50 µl loop, overfill factor 3 or greater)
Area precision, Partial Loop Fill	Typically < 1.0% RSD,(5000 µl loop, 1000µl injection volume, draw/eject speed 20 ml/min)
Carry-over	< 0.1% with rinse factor > 3 (see test method listing)
Area precision, Complete Loop	Typically < 0.5% RSD,(50 µl loop, overfill factor 3 or greater)

Fill	
Area precision, Partial Loop Fill	Typically < 1.0% RSD,(5000 µl loop, 1000 µl injection volume, draw/eject speed 20 ml/min)
Draw/eject speed	max. 50 ml/min (selectable in 1 µl/min steps)
Loop size	max. loop size 5 ml (selectable range: 5 µl - 50000 µl)
Sample viscosity range	0.2 – 5 cp
Injection volume	Selectable range: 0 - 50000 µl in 0.1 µl steps Recommended range: 10 µl - 5000 µl in 1 µl steps
Temperature, controlled version, with G1330B	Temperature range of sample compartment: 4 - 40 deg C
Sample capacity	2 × well-plates (MTP) + additional 10 × 2 ml vials
Supported sample plates	Any combination of 2 of the following plates:
	96 well plate (shallow/deep/conical)
	54 x 2 ml vial plate
	15 x 6 ml vial plate
	27 x Eppendorf plate for Eppendorf tubes of 0.5 ml, 1.5 ml or 2.0ml
	Maximum plate height with plate tray G2258-60001: 50 mm
Note	Vial septa and closing mats must be pre-slit.

Method for Carry-Over Test

Parameter	Setting
Column	Zorbax SB-C18, 21.2 x 50 mm, 5 µm
Solvents	A = water, B = ACN
Gradient	0 min: 5% B 5.0 min: 95% B 5.5 min: 95% B
Flow rate	20 ml/min
Stop time	5.5 min
Post time	2 min
Inj. volume	250 µl (partial loop filling, 500 µl loop)
Column temperature	ambient

DAD	254 nm /8 (ref. 360nm /100)
	Preparative flow cell (0.3 mm path length)
Sample	Caffeine, Primidone, Mandelic acid, Benzylester, Biphenyl
	5 mg each on column



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