

CERTIFICATE OF ANALYSIS

PHASE: Synergi 4µm Fusion 80Å
 BATCH NO.: 5415-0068 BASE SILICA BATCH NO.: 5337F-032

SILICA ANALYSIS

SILICA SURFACE CHARACTERISTICS

PARAMETER:	SPECIFICATION:	BATCH RESULT:
surface area (m2/g)	441 - 551	529
pore diameter (Å)	71 - 83	72

PARTICLE SIZE ANALYSIS

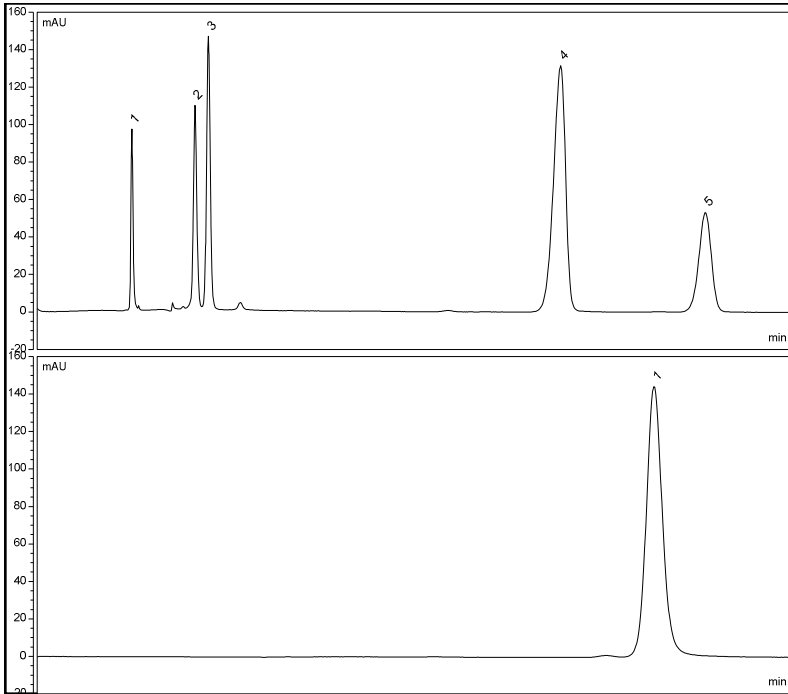
PARAMETER:	SPECIFICATION:	BATCH RESULT:
particle size (µm)	3.5 - 4.1	4.0
dp 90/10	<= 1.8	1.6

BONDED PHASE ANALYSIS

ELEMENTAL ANALYSIS

PARAMETER:	BATCH RESULT:
% Carbon	11.74
Surface Coverage (µmole/m2)	1.13

CHROMATOGRAPHIC RESULTS



FUSION QC TEST

CONDITION:
 Column dimensions: 150 X 4.6 mm
 Mobile Phase: acetonitrile:20mM Kphos, pH 2.5 (10:90)
 Flow Rate: 1.0 mL/min
 Temperature: ambient
 Detection: 220 nm
 Sample: 1. Dopamine
 2. Atenolol
 3. Cimetidine
 4. Folic Acid
 5. Sulfathiazole

PARAMETER:	SPECIFICATION:	BATCH RESULT:
Rs2	>1.50	2.11
Asym2	1.00 - 1.80	1.06
Tr5	10.40 - 12.40	12.39

BASIC DRUGS

CONDITION:
 Column dimensions: 150 X 4.6 mm
 Mobile Phase: acetonitrile:methanol:20mM Kphos, pH 7.0 (35:35:30)
 Flow Rate: 1.0 mL/min
 Temperature: ambient
 Detection: 220 nm
 Sample: Propranolol

PARAMETER:	SPECIFICATION:	BATCH RESULT:
Asym	1.00 - 2.10	1.11
Tr	3.30 - 4.90	4.49

Approved By: *J. A. [Signature]* Date Approved: October 19, 2020