

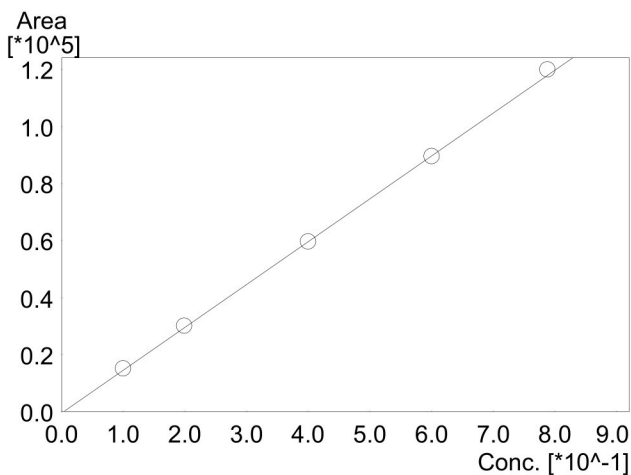


# ADVANCED ANALYTICAL LABORATORY SCHOOL OF HEALTH SCIENCES, USM.

## HPLC ANALYSIS REPORT 10 Sept., 2020

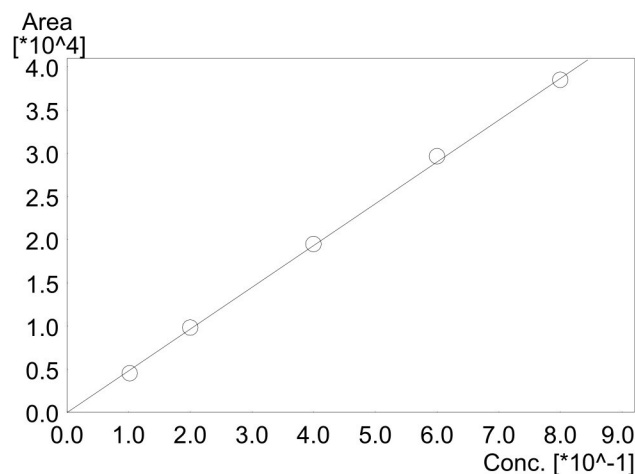
Baha'uddeen Calibration Curve for Aflatoxin Standard\_RP-HPLC-PDA

ID# : 1  
Name : Aflatoxin G2  
Quantitative Method : External Standard  
Function :  $f(x)=1.25004e+005 \cdot x + 0$   
Rr1=0.9996174 Rr2=0.9997739 RSS=3.999222e+006  
MeanRF: 5.231211e+005 RFSD: 4.365423e+001 RFRSD: 8.669891  
FitType : Linear  
ZeroThrough : Through  
Weighted Regression : None  
Detector Name : PDA



#	Conc.(Ratio)	Area	MeanArea	%RSD
1	0.1	12496	12502	6.514754
		12511		
		12498		
2	0.2	25031	25024	11.47362
		25048		
		24992		
3	0.4	48064	48067	9.689085
		48115		
		48022		
4	0.6	74928	75006	9.009273
		75038		
		75051		
5	0.8	100887	100962	6.662717
		101017		
		100982		

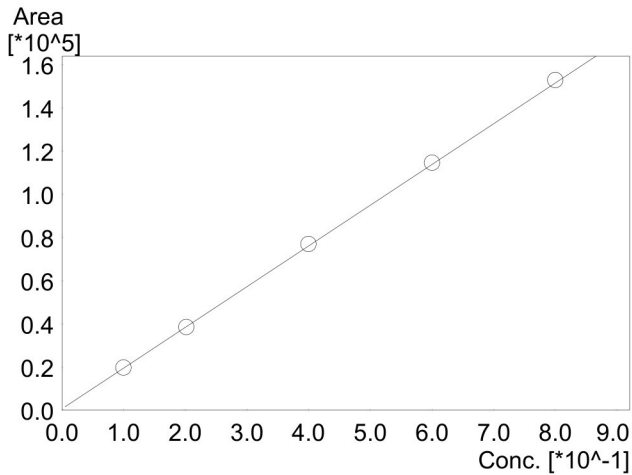
ID# : 2  
Name : Aflatoxin G1  
Quantitative Method : External Standard  
Function :  $f(x)=4.6414e+004 \cdot x$   
Rr1=0.9993987 Rr2=0.9995987 RSS=8.708004e+005  
MeanRF: 1.9403130e+004 RFSD: 1.6167795e+001 RFRSD: 9.925215  
FitType : Linear  
ZeroThrough : Through  
Weighted Regression : None  
Detector Name : PDA



#	Conc.(Ratio)	Area	MeanArea	%RSD
1	0.1	4605	4605	13.02932
		4599		
		4611		
2	0.2	8861	8851	14.74599
		8836		
		8855		
3	0.4	17998	18011	6.482929
		18021		
		18013		
4	0.6	28548	28561	7.986794
		28547		
		28587		
5	0.8	36963	36988	7.381053
		37017		
		36983		

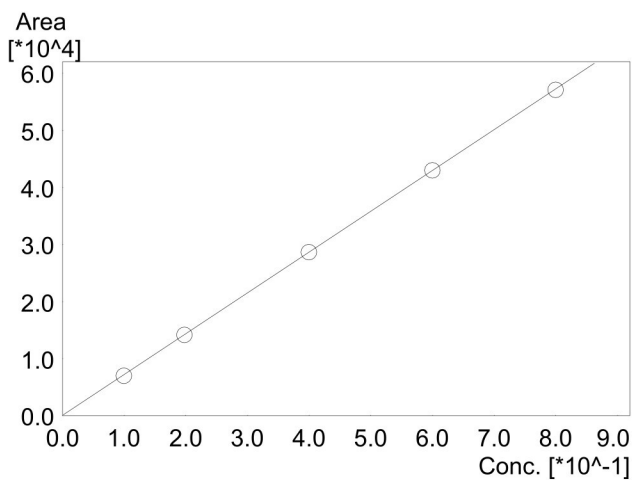
## Baha'uddeen Calibration Curve for Aflatoxin Standard

ID# : 3  
 Name : Aflatoxin B2  
 Quantitative Method : External Standard  
 Function :  $f(x)=1.75182e+005x$   
 $Rr1=0.99975056$   $Rr2=0.9999124$   $RSS=1.9919827e+006$   
 MeanRF:  $7.519412e+005$  RFSD:  $4.7591916e+001$  RFRSD: 6.0276008  
 FitType : Linear  
 ZeroThrough : Through  
 Weighted Regression : None  
 Detector Name : PDA



#	Conc.(Ratio)	Area	MeanArea	%RSD
1	0.1	17961	17946	7.827526
		17933		
		17945		
2	0.2	35922	35936	9.104033
		35973		
		35912		
3	0.4	70343	70322	7.181403
		70358		
		70264		
4	0.6	107893	107855	3.150097
		107846		
		107827		
5	0.8	143829	143850	2.874945
		143898		
		143824		

ID# : 4  
 Name : Aflatoxin B1  
 Quantitative Method : External Standard  
 Function :  $f(x)=6.9618e+004x$   
 $Rr1=0.9998979$   $Rr2=0.99991359$   $RSS=1.505428e+004$   
 MeanRF:  $2.924047e+004$  RFSD:  $1.606673e+001$  RFRSD: 6.876585  
 FitType : Linear  
 ZeroThrough : Through  
 Weighted Regression : None  
 Detector Name : PDA



#	Conc.(Ratio)	Area	MeanArea	%RSD
1	0.1	6991	6997	9.29841
		7004		
		6997		
2	0.2	13958	13958	9.673853
		13972		
		13945		
3	0.4	27736	27743	7.360624
		27766		
		27727		
4	0.6	41784	41768	3.553857
		41764		
		41755		
5	0.8	55712	55736	4.496183
		55762		
		55734		