Table: Quality Control - Chart Constants

The stants												
Chart for average X-chart  Factors for Control Limits			σ-chart — Chart for Standard Deviations					Chart for Ranges — R-chart				
			Factors for Central line	Factors for Control Limits					Factors for Control Limits			
A	Aı	A <sub>2</sub>	C <sub>2</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>2</sub>	В.	1	D.	0.		D.
2.121	3.760	1.880	0.5642	0					1 1		- 4	3.252
1.732	2.394	1.023	0.7236	0			1 1	8		9		
1.500	1.880	0.729	0.7979	0	1.808		1 1	8				2.575
0.342	1.596	0.577	7.8407	0			1 1	8	•			2.115
1.225	1.410	0.483	0.8686	0.026		_	1 1	9				2.004
1.134	1.277	0.419	0.8882					1				1.924
1.061	1.175	0.373	0.9027					1				864
1.000	1.094	C.337	1					1	1 1			1.816
0.949	1.028	0.308	0.9227	0.262	1	l						1.777
0.905	0.973	0.285	1			1	•	ž.			8	1.744
0.866	0.925		1			1	1		1	Ť.		1.716
0.832	0.884	8					1	1	1	8		1 692
0.802	0.848	0.235	1	1	1	1		1	1	9	1	1.671
0.775	0.816	0.223	1	1	1	1	1	1	9	ž.	1	1.652
0.750	0.788	0.212		1	1	1	1	1	5	8	1	1.636
0.725	0.762	0.203	1	0.445	1		1	I .	1	8	ă .	1.621
0.707	0.738	0.194	1	0.461	1		1	1		8	0.392	1.608
0.688	0.717	0.184	0.9599				1		§ .	8	0.404	1.596
0.671	0.697	0.110	0.9619	1						5.922	0.418	1.586
	A 2.121 1.732 1.500 0.342 1.225 1.134 1.061 1.000 0.949 0.905 0.866 0.832 0.802 0.775 0.750 0.725 0.707 0.688	Factors for Control Limits  A A <sub>1</sub> 2.121 3.760 1.732 2.394 1.500 1.880 0.342 1.596 1.225 1.410 1.134 1.277 1.061 1.175 1.000 1.094 0.949 1.028 0.905 0.973 0.866 0.925 0.832 0.848 0.775 0.816 0.775 0.816 0.775 0.788 0.725 0.762 0.707 0.738 0.688 0.717	Factors for Control Limits  A A <sub>1</sub> A <sub>2</sub> 2.121 3.760 1.880 1.732 2.394 1.023 1.500 1.880 0.729 0.342 1.596 0.577 1.225 1.410 0.483 1.134 1.277 0.419 1.061 1.175 0.373 1.000 1.094 0.337 0.949 1.028 0.308 0.905 0.973 0.285 0.866 0.925 0.266 0.832 0.884 0.249 0.802 0.848 0.235 0.775 0.816 0.223 0.775 0.816 0.223 0.775 0.788 0.212 0.72£ 0.762 0.203 0.707 0.738 0.194 0.688 0.717 0.184	Ractors for Control Limits   Reserve Control	Chart for average X-chart   G-chart — Chart for Control Limits   E   E   E   E   E   E   E   E   E	Chart for average X-chart         G-chart — Chart for Standard           Factors for Control Limits         Empty Exp         Factors Control L           A         A₁         A₂         C₂         B₁         B₂           2.121         3.760         1.880         0.5642         0         1.843           1.732         2.394         1.023         0.7236         0         1.858           1.500         1.880         0.729         0.7979         0         1.808           0.342         1.596         0.577         7.8407         0         1.756           1.225         1.410         0.483         0.8686         0.026         0.711           1.134         1.277         0.419         0.8882         0.105         1.672           1.061         1.175         0.373         0.9027         0.167         1.638           1.000         1.094         0.337         0.9139         0.219         1.609           0.949         1.028         0.308         0.9227         0.262         1.584           0.905         0.973         0.285         0.9300         0.299         1.561           0.832         0.88	Factors for Control Limits         Sectors for Control Limits         Factors for Control Limits         Factors for Control Limits         Factors for Control Limits         Factors for Control Limits           A         A₁         A₂         C₂         B₁         B₂         B₃           2.121         3.760         1.880         0.5642         0         1.843         0           1.732         2.394         1.023         0.7236         0         1.858         0           1.500         1.880         0.729         0.7979         0         1.808         0           0.342         1.596         0.577         7.8407         0         1.756         0           1.225         1.410         0.483         0.8686         0.026         0.711         0.030           1.134         1.277         0.419         0.8882         0.105         1.672         0.118           1.061         1.175         0.373         0.9027         0.167         1.638         0.185           1.000         1.094         0.337         0.9139         0.219         1.609         0.239           0.949         1.028         0.308         0.9227         0.262         1.584         0.284	Factors for Control Limits         C2         B1         B2         B3         B4           2.121         3.760         1.880         0.5642         0         1.843         0         3.267           1.732         2.394         1.023         0.7236         0         1.858         0         2.568           1.500         1.880         0.729         0.7979         0         1.808         0         2.266           0.342         1.596         0.577         7.8407         0         1.756         0         2.089           1.225         1.410         0.483         0.8686         0.026         0.711         0.030         1.970           1.134         1.277         0.419         0.8882         0.105         1.672         0.118         1.882           1.061         1.175         0.373         0.9027         0.167         1.638         0.185         1.815           1.094         0.337         0.9139         0.219         1.609         0.239         1.760           0.949         1.028         0.308         0.9227         0.262         1.584         0.284         1.716           0.995         0.973         0.285         0.9300 <td>  Chart for average X-chart   G-chart — Chart for Standard Deviations   Chart    </td> <td>  Factors for Control Limits   Factors for Co</td> <td>  Pactors for Control Limits   Pactors for Co</td> <td>  Factors for Control Limits   Factors for Co</td>	Chart for average X-chart   G-chart — Chart for Standard Deviations   Chart	Factors for Control Limits   Factors for Co	Pactors for Control Limits   Pactors for Co	Factors for Control Limits   Factors for Co