

# Taguchi Method Analysis

Experiment	Control Factors L_16 (2^15)														Response Factors		
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	N1	N2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	63.78	78.09
2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	65.78	85.28
3	1	1	1	2	2	2	2	1	1	1	1	2	2	2	2	64.20	83.91
4	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	61.93	80.42
5	1	2	2	1	1	2	2	1	1	2	2	1	1	2	2	54.83	80.37
6	1	2	2	1	1	2	2	2	2	1	1	2	2	1	1	60.76	83.48
7	1	2	2	2	2	1	1	1	1	2	2	2	2	1	1	71.24	78.32
8	1	2	2	2	2	1	1	2	2	1	1	1	1	2	2	70.83	76.89
9	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	74.05	82.97
10	2	1	2	1	2	1	2	2	1	2	1	2	1	2	1	71.60	71.61
11	2	1	2	2	1	2	1	1	2	1	2	2	1	2	1	70.73	75.93
12	2	1	2	2	1	2	1	2	1	2	1	1	2	1	2	67.07	86.19
13	2	2	1	1	2	2	1	1	2	2	1	1	2	2	1	70.38	76.53
14	2	2	1	1	2	2	1	2	1	1	2	2	1	1	2	59.73	72.20
15	2	2	1	2	1	1	2	1	2	2	1	2	1	1	2	64.88	78.37
16	2	2	1	2	1	1	2	2	1	1	2	1	2	2	1	65.16	68.56

## S/N Result

The larger the better

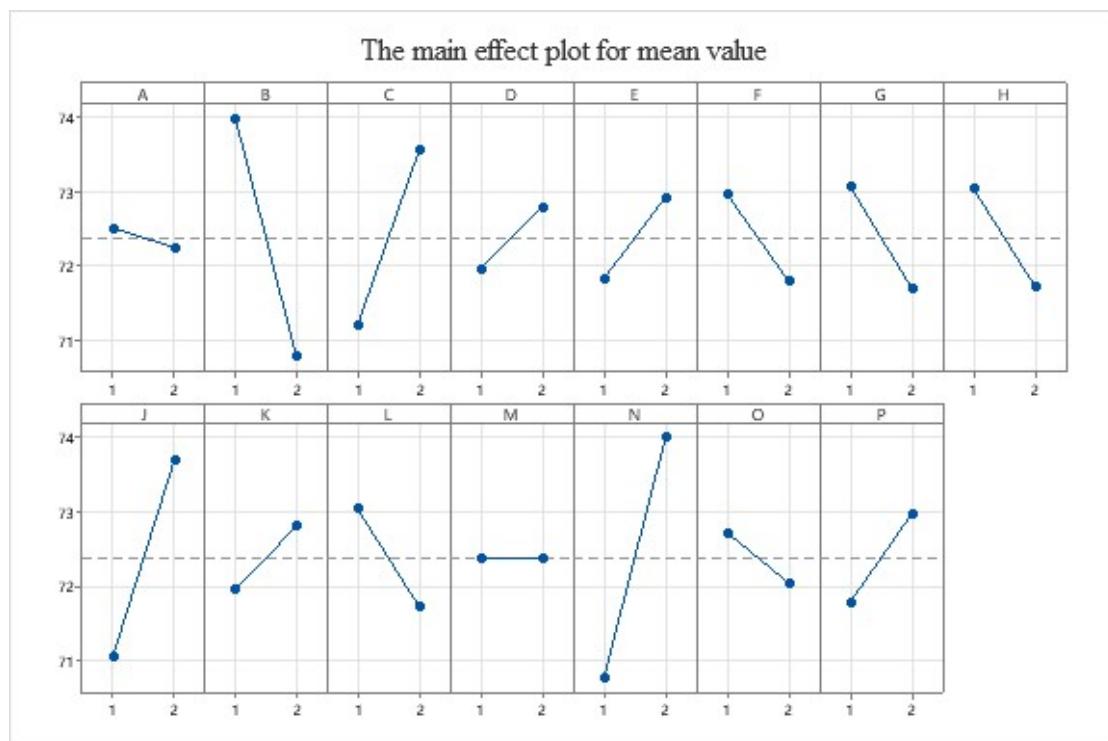
Level	A	B	C	D	E	F	G	H	J	K	L	M
1	37.00	37.24	36.91	36.96	36.93	37.18	37.17	37.13	36.87	37.02	37.14	37.04
2	37.10	36.85	37.19	37.13	37.16	36.91	36.92	36.96	37.22	37.08	36.96	37.05
Delta	0.10	0.39	0.28	0.16	0.23	0.27	0.25	0.17	0.35	0.06	0.18	0.01
Rank	11	1	4	10	7	5	6	9	3	12	8	15

Level	N	O	P
1	36.85	37.07	37.02
2	37.24	37.02	37.07
Delta	0.39	0.05	0.05
Rank	2	13	14

## Mean-Value Result

<b>Level</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>M</b>
1	72.51	73.97	71.20	71.97	71.83	72.96	73.06	73.04	71.05	71.95	73.04	72.38
2	72.25	70.78	73.55	72.79	72.93	71.79	71.69	71.72	73.70	72.80	71.72	72.38
Delta	0.26	3.19	2.35	0.82	1.10	1.17	1.37	1.32	2.65	0.85	1.32	0.00
Rank	14	2	4	12	10	9	5	6	3	11	7	15

<b>Level</b>	<b>N</b>	<b>O</b>	<b>P</b>
1	70.76	72.72	71.78
2	73.99	72.04	72.97
Delta	3.23	0.68	1.19
Rank	1	13	8



The main effect plot for S/N Ratio

