# STATISTIQUES

NUMERO MODELE
M.20.01

Révision N°1
Date : 18/06/2007

Objet : Etude de capabilités



| | | | | | |
|---|---|---|---|---|---|
| Date : | 10-janv-12 | Référence | 51227 20 | N° Pièce : | 2 |
| | | Lot Fabricat. | * | Opérateur : | N.MATTIO |

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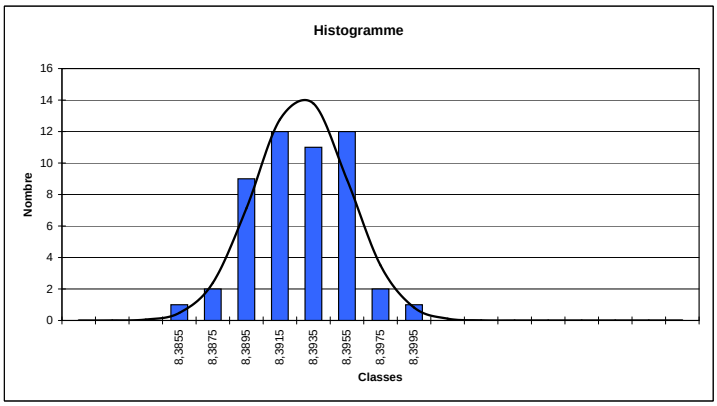
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Caractéristique : | Diamètre 8,40 +/-0,10 | | | | IT : | 0,2 | | | |
| Maxi admis: | 8,5 | | Mini admis | 8,3 | Cible | 8,400 | | Résolution = | 0,001 |
| Remarques : | Moyenne des distances locales au milieu | | | | | | | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8,390 | 8,395 | 8,396 | 8,392 | | | | | | | | | | | | |
| 8,395 | 8,391 | 8,393 | 8,390 | | | | | | | | | | | | |
| 8,398 | 8,392 | 8,394 | 8,392 | | | | | | | | | | | | |
| 8,395 | 8,394 | 8,394 | 8,393 | | | | | | | | | | | | |
| 8,395 | 8,400 | 8,395 | 8,393 | | | | | | | | | | | | |
| 8,390 | 8,392 | 8,392 | | | | | | | | | | | | | |
| 8,395 | 8,393 | 8,393 | | | | | | | | | | | | | |
| 8,391 | 8,396 | 8,392 | | | | | | | | | | | | | |
| 8,394 | 8,394 | 8,388 | | | | | | | | | | | | | |
| 8,390 | 8,385 | 8,393 | | | | | | | | | | | | | |
| 8,392 | 8,396 | 8,392 | | | | | | | | | | | | | |
| 8,396 | 8,388 | 8,397 | | | | | | | | | | | | | |
| 8,395 | 8,390 | 8,389 | | | | | | | | | | | | | |
| 8,390 | 8,390 | 8,390 | | | | | | | | | | | | | |
| 8,392 | 8,392 | 8,396 | | | | | | | | | | | | | |

**Entrée directe d'un histogramme (la priorité du calcul est donnée aux valeurs ci-dessous par rapport aux tableau ci-dessus)**

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Milieu de la classe | | | | | | | | | | | | | | |
| Nombre de valeurs | | | | | | | | | | | | | | 0 |

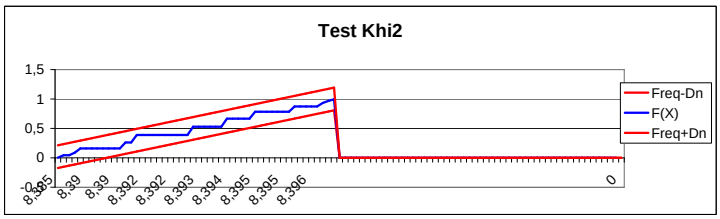
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Résultats statistiques : | N= | 50 | Maxi = | 8,400 | Mini = | 8,385 | Xbar = | 8,393 |
| | σ = | 0,0028067 | Xb+3σ = | 8,4012201 | Xb-3σ = | 8,3843799 | 6 x σ = | 0,0168402 |
| Intervalles de confiance | Alpha = | 0,05 | | | | | Etendue = | 0,015 |
| | t = | 2,0095740 | | | | | | |




| Coefficients de Capabilité Court Terme | |
|---|---|
| Cp | 11,88 |
| Cpk | 11,02 |
| Cpm | 4,31 |

| % Hors tolérances | | | |
|---|---|---|---|
| Sup = | 0,00% | 0 | ppm |
| Inf = | 0,00% | 0 | ppm |
| Total= | 0,00% | 0 | ppm |

| Coefficients de forme | |
|---|---|
| Assymétrie (Skewness) | -0,104 |
| Arrondi - Kurtosis | 0,494 |




| Niveau de confiance à 95% | | | |
|---|---|---|---|
| $\chi^2$ Observé | 2,62 | $\chi^2$ théorique | 7,81 |
| **Test du Khi 2** | ***OUI*** | Risque alpha du $\chi^2$ | 45,38% |
| ***Test de Kolmogorov*** | ***OUI*** | | |
| ***Autres Tests*** | | | |