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# Specification sheet

| **Product Name** | Vitamin B9 (FOLIC ACID) | |
|---|---|---|
| | | |
| **TEST ITEM** | **SPECIFICATION** | **METHOD** |
| Appearance | Yellow, yellow-brownish, or yellowish-orange, odorless, crystalline powder | USP40 |
| Identification | Ratio: A256/A365: 2.80-3.00 | USP40 |
| Water | NMT 8.5% | USP40 |
| Residue on Ignition | NMT 0.3% | USP40 |
| Residual solvent | No solvent is used or produced in the manufacture of the product. | |
| Related compounds | NMT 2.0% | USP40 |
| Mesh Size | 40 mesh | Mesh Screen |
| Assay (on anhydrous basis) | 97.0% ~ 102.0% | USP40 |
| **HEAVY METAL** | | |
| Lead | ≤ 0.5 ppm | AAS, in-house |
| Cadmium | ≤ 0.5 ppm | AAS, in-house |
| Arsenic | ≤ 0.5 ppm | AAS, in-house |
| Mercury | ≤ 0.1 ppm | AAS, in-house |
| **MICROBIALS** | | |
| Total Aerobic Microbial Count | NMT 100 cfu/g | ChP |
| Total Yeast and Moulds Count | NMT 10 cfu/g | ChP |
| E. Coli | Negative | ChP |
| Salmonella | Negative | ChP |
| S. Aureus | Negative | ChP |

| | |
|---|---|
| Conclusion | This batch complies with the specification of USP40 and additional requirements for heavy metals and microbials. |
| Remark | Preserve in well-closed, light-resistant containers. |

Note: The above information is based on the specifiction sheet received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by : _____
Abdullah Malik (QA)