

## Research on the stability of NMN

### 1. Target

Research on the stability of NMN(  $\beta$  -nicotinamide mononucleotide) after long term stock.

### 2. Sample source and batch No.

Source: From production department. Batch

No.: EF191210, EF191225-1, EF191227

### 3. Items for testing.

Appearance, Purity and Moisture

### 4. Condition and result.

Put samples into double pharmaceutical low density polyethylene bags, then put the PE bags into aluminium foil bag. Stock the samples under condition of 40°C and 75% relative humidity, test the samples according below setting time.

Table 1.

| Batch No.  | Months | Appearance   | Purit(%) | Moisture(%) |
|------------|--------|--------------|----------|-------------|
| EF191210   | 0      | White powder | 99.21    | 0.22        |
|            | 1      | White powder | 99.03    | 0.26        |
|            | 2      | White powder | 99.09    | 0.30        |
|            | 3      | White powder | 98.82    | 0.31        |
| EF191225-1 | 0      | White powder | 99.19    | 0.12        |
|            | 1      | White powder | 99.20    | 0.19        |
|            | 2      | White powder | 99.03    | 0.23        |
|            | 3      | White powder | 98.91    | 0.33        |
| EF191227   | 0      | White powder | 99.47    | 0.57        |
|            | 1      | White powder | 99.36    | 0.59        |
|            | 2      | White powder | 99.19    | 0.60        |
|            | 3      | White powder | 98.89    | 0.60        |

### 5. Conclusion:

After 3 months accelerated conditions, these samples still keep stable. Deep research will keep going in future.