

Zhao dong Star Lake Bioscience Co.,Ltd.  
**CERTIFICATE OF ANALYSIS**

SLZD-QC-1-18.01-4

|   |                                    |
|---|------------------------------------|
| Product : Disodium 5'-Ribonucleotide(I+G) | Analysis No. : 2103002             |
| Batch No. : IG2103002                     | Date of manufacture : Feb.25, 2021 |
| Batch Quantity : 3056.0 kg                | Date of expiry : Feb.24, 2024      |
| Packing : 10kg/ carton                    | Date of report : Feb.25, 2021      |

**Test methods** **GB 1886.171-2016**

| <u>ITEM</u>   | <u>LIMIT</u>                                      | <u>TEST</u>              |
|---|---|--------------------------|
| <b>The characteristics of senses</b>                  | White or off white、crystals or crystalline powder | White crystalline powder |
| <b>Physical and chemical specification</b>            |   |                          |
| Assay(IMP+GMP)/(%)<br>(Calculated on the dried basis) | 97.0-102.0  | 99.3                     |
| IMP (mixed proportion)/(%)                            | 48.0-52.0   | 51.4                     |
| GMP (mixed proportion)/(%)                            | 48.0-52.0   | 48.6                     |
| Loss on drying/(%)                                    | ≤25.0   | 20.9                     |
| Transmittance of 5% solution/(%)                      | ≥95.0   | 97.1                     |
| PH(5% solution)                                       | 7.0-8.5   | 7.7                      |
| Other nucleotides                                     | Passes test                                       | Passes test              |
| Amino acid  | Passes test                                       | Passes test              |
| NH <sub>4</sub> <sup>+</sup> (ammonium)               | Passes test                                       | Passes test              |
| Arsenic(As)/(mg/kg)                                   | ≤1.0  | <1.0                     |
| Heavy metals(Pb)/(mg/kg)                              | ≤10   | <10                      |

The conclusion

Passes all specifications.

Director of QC:

Inspector:

Reporter:

Laboratory:

*张明*

*张明*

*胡梅晴*



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