



Jilin Haizi Biological Engineering Technology Co.,Ltd.
 Add:Industrial Park,Economic Zone, Dunhua,
 Jilin,China,133700
 Tel:+86-433-5073298 Fax:+86-433-5073500

Certificate of Analysis- Inositol

Batch Number: HZ-IN1811075

Manufacture Date:September.24.2018

Batch Quantity:1000Kg

Analysis Date: September.29.2018

Packing: net 25kg/ drum

Retest Date: September.23.2022

| ANALYSIS ITEM | SPECIFICATION | RESULT | METHOD |
|--|---|--------------------------|------------|
| Appearance | White crystalline powder | White crystalline powder | Visual |
| Taste | Sweet taste | Conform | Taste |
| Identification | Identification (B) | Meet the requirement | USP38-NF33 |
| Melting point | 224.0°C-227.0°C | 225.3°C-226.4°C | FCC IX |
| Loss on Drying | ≤0.5% | 0.01% | 105°C/4hrs |
| Residue on Ignition | ≤0.1% | 0.01% | 750°C/5hrs |
| Clarity of Solution | Meet the requirement | Meet the requirement | USP38-NF33 |
| Color of Solution | Meet the requirement | Meet the requirement | USP38-NF33 |
| Assay | 97.0%-102.0% on dried basis and NLT 96.5% as is basis | 98.88% | HPLC |
| Chloride | ≤0.005% | <0.005% | FCC IX |
| Sulfate | ≤0.006% | <0.006% | FCC IX |
| Calcium | Meet the requirement | Meet the requirement | FCC IX |
| Barium | Meet the requirement | Meet the requirement | USP38-NF33 |
| Heavy Metals | ≤5ppm | <5ppm | CP2015 |
| Lead | ≤0.5ppm | <0.5ppm | AAS |
| Arsenic | ≤0.5ppm | <0.5ppm | AAS |
| Mercury | ≤0.1ppm | <0.1ppm | AAS |
| Cadmium | ≤0.5ppm | <0.5ppm | AAS |
| Iron | ≤5ppm | <5ppm | CP2015 |
| Organic Impurities | | | |
| Total Impurities | <1% | <1% | USP38-NF33 |
| Single Impurity | <0.3% | <0.3% | |
| Conductivity | ≤20μS/cm | 14.13μS/cm | USP38-NF33 |
| Total Plate Count | <1000cfu/g | <10cfu/g | CP2015 |
| Yeast & Mold | <100cfu/g | <10cfu/g | CP2015 |
| E.Coli | Negative | Negative | CP2015 |
| Salmonella | Negative | Negative | CP2015 |
| Staphylococcus | Negative | Negative | CP2015 |
| Conclusion: The goods conform with FCC IX USP38-NF33 | | | |
| Storage: Store in cool and dry place, keep away from strong light and heat. | | | |

Analyst:

Chief inspector:

