



CERTIFICATE OF ANALYSIS

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|---------------|----------------------------|---------------------|-------------|
| Product Ref. | BASLAFOL80 | Manufacturing Date: | 17-Mar-2017 |
| Product Name | Lactic Acid 80% Food Grade | Retest Date | 16-Mar-2019 |
| Complies with | FCC | Lot. Number: | S201703020 |

THE RESULT OF INSPECTION:

| PARAMETER | SPECIFICATION | TEST RESULT |
|---|------------------|------------------|
| Assay | ≥80.0 % w/w | 80.3% w/w |
| Color (fresh solution) | ≤ 150 Hazen | < 80Hazen |
| Positive test for lactate | Passes test | Passes test |
| Density (20°C) | 1.18 - 1.21 g/ml | 1.18 - 1.21 g/ml |
| Stereochemical purity L(+) | ≥97 % | > 97 % |
| Heavy metals (as Pb) | ≤ 10 ppm | < 10 ppm |
| Iron | ≤ 10 ppm | < 10 ppm |
| Calcium | ≤ 10 ppm | < 10 ppm |
| Chloride | ≤ 10 ppm | < 10 ppm |
| Sulphate | ≤ 10 ppm | < 10 ppm |
| Sulphated ash | ≤ 0.1 % w/w | <0.1 % w/w |
| Cyanide | ≤5 ppm | < 5 ppm |
| Lead | ≤ 0.5 ppm | < 0.5 ppm |
| Arsenic | ≤ 1 ppm | < 1 ppm |
| Mercury | ≤ 1 ppm | < 1 ppm |
| Reducing substances (sugars) | Passes test | Passes test |
| Citric, oxalic, tartaric and phosphoric acids | Passes test | Passes test |

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SHANDONG BAISHENG BIOTECHNOLOGY CO., LTD.

No.6 West Xi'an road, economic development zone, Yanzhou, Shandong, China
TEL: +86-537-3301278 FAX: +86-537-3891339