

Certificate of Analysis



SCIENTIFIC

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An ISO 9001 Certified Company

HEPES Free Acid

PRODUCT NUMBER

IB01130 _____ 50gm
IB01131 _____ 250gm
IB01132 _____ 500gm
IB01133 _____ 1kg

LOT NO.

Lot# _____ 19H5001

CAS NO.

CAS# _____ 7365-45-9

STORAGE

Store at room temperature. Protect from moisture.

SPECIFICATIONS

| | Specification | Analysis | Disposition |
|-----------------------------------|--------------------------|---------------|-------------|
| Assay (titration) | Min. 99.0% | 101.0% | PASS |
| Appearance | White crystalline powder | PASS | PASS |
| DNase assay | PASS / FAIL | None detected | PASS |
| Protease assay | PASS / FAIL | None detected | PASS |
| RNase assay | PASS / FAIL | None detected | PASS |
| pH (0.5M/L) | 5.1 - 6.5 | 5.3 | PASS |
| Heavy Metals (as Pb) | Max. 10ppm | Max. 10ppm | PASS |
| Water (KF) | Max. 0.25% | 0.19% | PASS |
| SO ₄ (Sulphate) | Max. 0.05% | Max. 0.05% | PASS |
| Fe (Iron) | Max. 5ppm | Max. 5ppm | PASS |
| Abs. (260nm)(0.5M) | Max. 0.05 | 0.02 | PASS |
| Abs. (280nm)(0.5M) | Max. 0.05 | 0.01 | PASS |
| Cell Culture Toxicity (@ 5.95g/l) | PASS / FAIL | PASS | PASS |

DATE OF

Expiration Date: _____ 04/13/2023

Manufacture Date: _____ 04/14/2019

CERTIFICATION

We certify that this batch conforms to the specifications listed above and has been reviewed by a quality representative. This document has been electronically produced and signed by IBI SCIENTIFIC.

Toby Frericks
Quality Control

08/28/19
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.