**CERTIFICATE OF ANALYSIS**

**CERTIFICATE No:**  CAN/2015-16/XYZ

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| **PRODUCT** | QUININE SULPHATE TABLETS | | REF. NO: NDQD201510427 |
| **DATE RECEIVED:** 08.10.2015 | **LABEL CLAIM:** | Each coated tablet contains quinine sulphate B.P 300 mg | |
| **BATCH NO.:** 320434 | **PRESENTATION:** | Yellow coloured, circular shaped, biconvex-faced, film-coated tablets, single scored on one, packed in blister strips of 10 tablets with 10 such strips contained in a unit box. | |
| **MGF. DATE:** May. 2013 | **MANUFACTURER:** | UNIVERSAL Corporation Ltd. | |
| **EXP. DATE:** Apr. 2016 | **ADDRESS:** | CLUB ROAD, Plot No. 13777, P.O. BOX 1748-00902, Kikuyu, KENYA. | |
| **CLIENT REF NO:** | **CLIENT:** | KEMRI-KISUMU P.O. BOX 1578 Kisumu | |
|  | **TEST(S) REQUESTED:** | Uniformity of Weight, Identification, Dissolution, Assay | |

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| **TEST** | **METHOD** | **COMPEDIA** | **SPECIFICATION** | **DETERMINED** | **REMARKS** |
| **Uniformity of Weight** | Weight | B.P. 2012 Vol.V App XII C | NMT 2 tablets deviate by more than 5% from mean weight | None Deviates | **COMPLIES** |
| **Identification** | HPLC | USP 38 NF 33 Vol. III Page 5125 | RT of the major peak in the assay sample preparation corresponds to that in the assay standard preparation | Super-imposable peak at RT Value | **COMPLIES** |
| **Identification** | HPLC | USP 38 NF 33 Vol. III Page 5125 | RT of the major peak in the assay sample preparation corresponds to that in the assay standard preparation | 9.6 +/- 10% min. present in both the assay sample and standard preparations | **COMPLIES** |
| **Dissolution** | UV | USP 38 NF 33 Vol. III Page 5125 | No tablet less than 80% (n=6) | 93.2% (RSD = 2.7%; n = 6) | **COMPLIES** |
| **Assay** | HPLC | USP 38 NF 33 Vol. III Page 5125 | 90-110% | 93.4% (RSD = 1.2%; n = 9) | **COMPLIES** |

**CONCLUSION:** The product complies with the specifications for the tests performed.

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| ANALYST: | DR. E. MUTUA |  | DATE:10-12-2015 |
| REVIEWER: | DR. N. MWAURA |  | DATE:16-10-2015 |
| ANALYST: | NICHOLAS MWAURA |  | DATE:11-04-2015 |
| DIRECTOR: | HEZEKIAH CHEPKWONY |  | DATE:11-10-2015 |